Southern Company Services Technology Organization Position Overviews:

Locations: Hybrid - Birmingham, AL or Atlanta, GA

Semesters: Spring 2025, Summer 2025, Fall 2025

Requirements: Minimum of 3.0, current authorization to work in the United States.

Majors: Software Engineering, Computer Engineering, Computer Science, MIS, Cybersecurity, Data Analytics,

Program Benefits: Opportunity to work on a Capstone Project for the EVP & CIO of the Technology Organization, Leadership Chat with the EVP & CIO of the Technology Organization, Dedicated Mentor during the duration of the internship, Multiple networking opportunities with senior leaders, managers, former interns, and current interns, Community service opportunity

Technology Security (Cyber Security):

Within TO, the Technology Security organization's core objective is to ensure a secure and reliable environment for the consumers of our services, both internally and externally. Protecting the confidentiality, integrity and availability of our assets ensures the continuation for Southern Company and its affiliates to move, make and sell electricity. Our complex environment generates a constant stream of opportunities which require continual innovation with an evolving set of technologies.

Threat Assessment Services:

Threat Assessment Services is tasked with proactively identifying security threats and risks across the Southern Company environment. Three distinct programs support the mission of this department, including Vulnerability Management, Threat Hunting and Red Team.

Requirements: Basic understanding of patching and vulnerability management, Programing experience, Data analysis experience, Experience developing and testing exploits or vulnerability scanning is a plus, Interest in learning proactive approaches to assessing cybersecurity risk, Interest in learning more about forensic approaches to identifying malicious activity

Identity Security:

The Identity Security team is responsible for architecture, infrastructure operations, and provisioning of digital identities throughout the Southern Company technology ecosystem.The team manages a long list of identity products including on-prem and cloud identity providers, multi-factor authentication agents, privileged access management, public key infrastructure, and mainframe security including responsibility for the service management flows associated with these products and the provisioning of non-human accounts and supplemental workers.

Requirements: Candidate should have an interest in cybersecurity – specifically in Identity and Access Management – and a strong desire to work in an arena of electric and gas critical infrastructure. Beneficial skills for the role include an understanding of human and non-human identities, automation/development capabilities, network and server operations, and an understanding of modern, evolving security risks. Softer skills relevant to success include the ability to coordinate with others, solid written and verbal communication, ability to self-start and prioritize, and a positive demeanor.

Digital Defense Center:

In this role, you will assist with security infrastructure management, detection engineering and automation for our Security Operations Center (SOC) and other technology security teams. We manage 29+ security platforms and you will learn a lot about security logging and detections.

Requirements: Basic understanding of computers, Fundamental knowledge of networking (TCP/IP, OSI model, etc), Unix/Windows server knowledge a plus, Python, Basic syslog knowledge a plus

Advanced Threats & Intelligence:

In the Advanced Threats and Intelligence Department, the team identifies and tracks sophisticated risks to our company's people, systems, and information. First, the team focuses on understanding and sharing the latest information about cyber threats that target the energy sector and Southern Company. This is done through automated systems, knowledge management, partnerships, and analysis. Second, the team builds and staffs the Insider Threat Fusion Center, which tracks risks introduced by employees, contractors, and vendors operating in our facilities and on our networks. Operating at the intersection of advanced technology and human analysis, our mission is to stay ahead of the most persistent and well-resourced cyber threats Southern Company faces.

Requirements: Interested in cyber threat actors and the latest techniques, tactics, and procedures, Interested in analysis of threats in a less structured or research environment, Technical skills: scripting/coding, technical analysis of malware, Splunk, technical writing/documentation, Soft skills: problem solving, creativity, adaptability, teamwork

Cyber Security Architecture:

The Cyber Security Architecture and Consulting team is responsible for the strategic security roadmap along with the design, development, and implementation of solutions to secure the enterprise. Interns on this team will be able to work with various technologies to improve security processes in areas such as: network security, detection, application security, cloud security, endpoint and mobile security, data protections, and other technology platforms. Interns will work alongside Senior Security Architects and contribute in a meaningful way to enterprise-wide project initiatives, to harden our security posture, and protect the company's critical electric and gas utility infrastructure and its privately owned telecommunications network.

Requirements: Coding or scripting experience - Examples include but are not limited to: Python, Competency in APIs (Rest, Graph) and/or JavaScript/JSON/Kubernetes/SQL

Security, Strategy & Architecture – Cyber Initiatives

The Cyber Initiatives Group's purpose is to enable Technology Security to operate more efficiently at the demand of business through streamlining, standardizing, automating and measuring of our services.

Requirements: Following is the expected work the intern will perform:

- Design, build and enhance Power BI dashboards and graphs/visualizations that will help managers and executives make informed business decisions,
- Research and create informational packages for the Spend Governance Committee to make technology solution purchase decisions based on criteria such as Technology Security's strategy alignment and National Institute of Standards and Technology (NIST) cybersecurity framework,
- Help develop technical process documentation,
- Assist with coordination of specific cybersecurity initiatives,
- Provide support to monthly and quarterly metrics process,
- Participate in the following technology review boards/processes – Technology Validation Process (TVP), Vendor Risk Assessment (VRA) Process, Enterprise Security Architecture Review Board (ES-ARB).

Security Engineering & Optimization:

Security Engineering & Optimization (SEO) is responsible for maintaining the operational effectiveness of cybersecurity tools and processes that provide visibility and segmentation control of engineered security solutions. This position will provide application and infrastructure support for cybersecurity tools. This includes monitoring of operational effectiveness, applying cybersecurity tool & platform updates, engineering firewall policies that enforce the segmentation design, develop automation of routine processes, and optimize tools beyond their initial use cases.

Requirements: Areas of interest: System & application administration, network segmentation enforcement (firewalls), Industrial Controls Systems (ICS) security monitoring, and automation/ scripting, Technical skills: Basic understanding of networking & network devices, and familiarity of system or application support, Soft skills essential for success – Imagination and persistence are key soft skills to ensure the wide variety of tools work well together and independently of each other.

Enterprise Security Technologies:

The Enterprise Security Technologies team manages technologies that are critical to Security Operations and the Enterprise. The responsibilities are split into 4 teams listed below:

- Network Security - Management of enterprise remote access and perimeter protections for enterprise network systems
- Endpoint Security - Management of endpoint prevention, detection and response tools used to protect enterprise servers, laptops, and workstations.
- Data Security - Database activity monitoring and Data Loss Prevention (DLP) for Data at Rest and Data in Motion
- Logging Security - Management of security log collection, full packet capture, threat intelligence platforms, etc.

Requirements: If you enjoy learning new technologies and implementing new solutions, this is the role for you. We support the many technologies (30+) utilized by our 24/7 Security Operations Center, Fusion Center, Incident Response, and Threat Hunt teams whose goal is to protect the company from a potential cyber-attack. Useful technical skills for this role: Windows and Linux/Unix Server Admin experience, Basic networking skills (TCP/IP, subnet masking, routing), Scripting experience (i.e., Python, Bash, PowerShell), Familiar with cloud native applications like Docker, Kubernetes, and OpenShift, Experience with virtualization software, Familiarity with logging technologies (i.e., Splunk, Kafka, Elastic)

Nuclear Cyber Security:

The IT Nuclear Cyber Security Analyst is responsible for developing, maintaining and monitoring an effective Information Security program which is designed to ensure the logical and physical protection of Southern Nuclear's Critical Digital Assets. Areas of concentration include: Firewalls, Intrusion Detection/Prevention, Encryption, Antivirus, Incident Response, Security Event Management.

Requirements: Interns need to express interest in: Nuclear Power, Industrial Control Systems, Compliance and Risk Management, Network Security (Firewalls, Intrusion Detection Systems, Data Diodes, Security Event Management, Antivirus). Technical Skills include: Windows and Linux/Unix Server Admin experience, Basic networking skills (TCP/IP, subnet masking, routing), Scripting experience (i.e., Python, Bash, PowerShell), Experience with virtualization software, Familiarity with logging technologies (i.e., Splunk)

Power Delivery Cyber Security:

The Power Delivery Cybersecurity team's mission is to provide a de-risked, highly cyber-instrumented Electrical Grid Operating System without impacting safety and reliability, for all our partners (employees, vendors, governmental agencies etc.) across the territories we serve. Interns in this group are expected to absorb a large amount of technical and procedural information quickly to take on genuine responsibilities in support of the mission. The material is complex, and the pace sustained at a high level, so the ability to remain methodical with keen attention to detail is paramount.

Initial focus areas will be:
- Planning, coordination, implementation, and rollout of technology solutions for PD (Power Delivery) CSP projects
- Handling of day-to-day monitoring and operational support of hardware, software, customer applications, managed solutions, and service provider relationships as needed
- Limited amounts of technical documentation writing, research as directed and creative problem solving will grow as the candidate matures in their role
- Some code review and scripting capabilities are also highly desirable

Requirements: Computer Science basics (TCP/IP and Logic, Computing and Networks Design, Algorithms, Data Structures, and Modeling, etc.). Communications (PowerPoint, Microsoft TEAMS, Limited small scale public speaking)

Cyber Security Assurance:

Within TO, the Technology Security organization's core objective is to ensure a secure and reliable environment for the consumers of our services, both internally and externally. Protecting the

confidentiality, integrity and availability of our assets ensures the continuation for Southern Company and its affiliates to move, make and sell electricity. Our complex environment generates a constant stream of opportunities which require continual innovation with an evolving set of technologies.

In this role, you will use your knowledge, insights from training we will provide, and Southern's Attack Surface Management tools to identify problematic or misconfigured technology assets that are exposed to the internet and communicate with key stakeholders as needed to improve our security posture. As time permits, you will investigate indications of unsanctioned cloud assets to identify risk of data loss or business process fragility.

Requirements: Ideal candidates should be highly interested in a career in cybersecurity and be pursuing a technical degree. Basic familiarity with common web application vulnerabilities and/or the Common Vulnerability Scoring System are a plus but not required. Curiosity, tenacity, organizational skills, a love of learning, and a people-focus are essential!

Threat Analysis – Security Operations Center:

A Southern Company Security Analyst participates in monitoring, hunting, and responding to cyber security events. He/She/They provide(s) a front-line role during cyber security incidents, identifying the extent of the threat, business impacts and advising or sometimes performing the most suitable course of action to contain, eradicate and remediate an incident. A Southern Company Security Analyst maintains a good knowledge of the threat landscape, helps enhance visibility and response capabilities by identifying new methods of detecting threats. A Southern Company Security Analyst is proactive and seeks out adversaries determined to negatively impact Southern Companies reputation, financial interest or threatens the safety of our employees and customers.

Requirements: Areas of interest - Security operations; including monitoring, analysis, and response. Technical skills required: Understanding of networking protocols, Some familiarity with security tools, Ability to analyze logs from various sources including network, email, cloud, and endpoint

Enterprise Technology Solutions – Agile Development:

Enterprise Technology Solutions enables enterprise transformation by leveraging technical and subject matter expertise to drive innovative advancements to the digital ecosystem of Southern Company. The team is responsible for implementing and maintaining technology solutions that support critical business areas like Finance, Human Resources, Supply Chain, Compliance/Legal, and the Technology Organization.

The Agile Process Management team, comprising Scrum Masters and a Release Train Engineer, plays a pivotal role in our organization's agile transformation. They ensure seamless coordination among teams for efficient product delivery. Scrum Masters foster the team's culture of continuous improvement, champion agile principles, and manages the completion of planned work, while the Release Train Engineer aligns the process with strategic goals.

The Agile Process Management team is seeking an intern to work closely with Scrum Masters toassist with Agile delivery leveraging Scaled Agile for Enterprises (SAFe), Scrum, Kanban, and other Agile practices. Scrum Masters in our organization are servant leaders who can effectively collaborate, facilitate, and influence in a matrixed team environment.

The successful candidate will work closely with teams to ensure that work/projects are completed on time and to the highest possible quality. They will also work with a Release Train Engineer and the Agile Process Manager to provide direction towards maturing and optimizing Agile execution within teams. This role will interact closely with Technology and Business stakeholders to educate and ensure business outcomes are achieved.

Requirements: Ability and desire to achieve Scrum Master certification (CSM, PSM, PMI-ACP, SAFe, etc.) in the future. Basic knowledge and understanding of the following key concepts: Agile mindset with basic understanding of Agile practices (Scrum ceremonies, information radiators, continuous improvement techniques, Kanban, XP, etc.). Knowledge of Scrum success patterns, common challenges, and techniques to course correct when issues arise. Knowledge of the Software Development Life Cycle and Release Management. Sprint Methodology

Enterprise Technology Solutions: Product Delivery

The Product Delivery team works to enable consistent approaches and tools for Record to Report processes to support financial reporting and billing and provide strategic planning support to gain efficiencies, satisfy compliance and/or reduce risks, while responding to business/technology changes.

The Product Delivery team is seeking an intern to work closely with subject matter experts to assist with entry level application support for the Record to Report process in the Oracle suite of products. The intern will assist the team in ensuring stable/efficient operation of these critical enterprise applications by troubleshooting issues, optimizing system performance, and supporting end users. The successful intern will gain valuable experience by providing solutions support including configuration, unit testing, controls execution, and access management set-up in the Oracle suite of products. The successful candidate will also analyze and resolve system defects, participate in system optimization by identifying and implementing enhancements, and conduct research about the latest features and functionality of Oracle.

Successful candidate will receive exposure, training and practical experience in:

- Oracle suite of products including: Oracle Fusion ERP - Financials (General Ledger, Projects), Oracle Smartview, Oracle Fusion EPM (ARCS and FCC), PowerPlan Tax solutions, and DRM.
- Reporting tools like OTBI and BIP.

Requirements: Demonstration of good understanding in several concepts including: Monitoring, Troubleshooting, Root Cause Analysis and Log Analysis, Scripting, Operating systems, Databases and Networking, Cloud Services, Basic understanding of Security, Agile concepts and Incident Management.

Enterprise Technology: Platform Availability Application Analyst

Enterprise Technology Solutions enables enterprise transformation by leveraging technical and subject matter expertise to drive innovative advancements to the digital ecosystem of Southern Company. The team is responsible for implementing and maintaining technology solutions that support critical business areas like Finance, Human Resources, Supply Chain, Compliance/Legal, and the Technology Organization.

The Platform Availability Team enables seamless operations, reduces disruptions, and ensures the highest level of availability and reliability for our organization's critical platforms.

The Platform Availability Team is seeking an intern to work closely with subject matter experts to perform daily checkout and critical job monitoring activities for various enterprise technology platforms. The intern will have the opportunity to assist in resolving technical issues impacting platforms in our portfolio, troubleshoot problems, and provide effective solutions. The intern will also assist in documenting support requests, resolutions, and frequently encountered problems to build a departmental knowledge base.

Successful candidate will have the opportunity to gain knowledge, experience, and exposure to

- Oracle
- Cloud Services
- Scripting (PowerShell, Python, SQL queries)
- Incident management processes and ticketing systems (JIRA, Agility, ServiceNow)

Requirements: Demonstration of good understanding in several concepts including: Monitoring, Troubleshooting, Root Cause Analysis and Log Analysis, Scripting, Operating systems, Databases and Networking, Cloud Services, Basic understanding of Security, Agile concepts and Incident Management

Electric Technology Solutions:

Electric Technology Solutions partners with the business to provide technology planning, software and systems design, development, implementation, and support. Aligned with business imperatives, the teams manage strategic technology plans with Generation, Power Delivery, Customer Service & Marketing, Nuclear, Southern Power and PowerSecure. Our Services include Business unit consulting and technology planning, systems and software development and implementation, systems and software integration, lifecycle maintenance of technology, nuclear plant technology support, Southern Power plant technology support, and PowerSecure technical support.

The position will potentially be contributing to all phases of the software development and maintenance life cycle, including requirements-gathering, specification, design, estimating, development, configuration, implementation, testing, and deployment.

Requirements: Areas of interest should include software development, Excellent technical troubleshooting competency, problem-solving and conflict-resolution ability, Ability to learn new technologies quickly, Ability to identify opportunities to apply technology to assist with business process improvements, Excellent ability to explain technical concepts to non-technical people, Good documentation practices, Outstanding organization skills, Experience in or ability to quickly learn development languages/platforms including, but not limited to: Programming: Python, C#, SQL, Web Stack, Mobile platforms

Digital Workplace Solutions:

Digital Workplace Solutions (DWS) provides secure, reliable, and effective technology leadership, solutions, and services that support todays and tomorrow's business needs. DWS does this by providing applications, hardware, and services to the enterprise that enable employees to do their jobs efficiently and effectively. As such DWS is responsible for the engineering, architecture, and support of the end-user environment.

Digital Workplace Solutions – Productivity Technologies:

As part of Digital Workplace Solutions, the Productivity Technologies team is responsible for the engineering, architecture, and support of the Microsoft 365 Enterprise Collaboration tools as well as PDF solutions. We are seeking a highly motivated, tech savvy intern to join our team and assist with our initiatives. In this role, you will be responsible for supporting projects related to enhancing productivity, streamlining tasks, and improving document management and team collaboration. This entails designing and implementing Power Automate workflows to automate business processes, as well as developing apps and bots for Microsoft Teams to enhance team communication and collaboration.

Requirements: Exhibit strong technical skills and an aptitude to learn new technologies quickly, Excellent technical troubleshooting competency, Strong written and verbal communication skills, Strong organizational skills and attention to detail, Ability to work well within a diverse team, Work with a process improvement mindset, Strong interest in Microsoft 365 technologies and a desire to learn and grow within this field, Basic knowledge of M365 applications such as Word, Excel, SharePoint, Teams, and Power Platform, Proficiency in programming languages (e.g., JavaScript, C#, PowerShell) is a plus.

Digital Workplace Solutions – Platforms:

As part of Digital Workplace Solutions, the Digital Workplace Platforms team is responsible for the engineering, architecture, and support of the Mobility and Virtualization environments, as well as Digital Literacy across Southern Company. We are seeking a highly motivated, tech savvy intern to join our team and assist with our Mobility and Virtualization initiatives. In this role, you will be responsible for supporting projects related to mobile device management, remote access solutions, application virtualization, and virtual desktop infrastructure.

Requirements: Exhibit strong technical skills and an aptitude to learn new technologies quickly, Excellent technical troubleshooting competency, Strong written and verbal communication skills, Strong organizational skills and attention to detail, Ability to work well within a diverse team, Work with a process improvement mindset, Knowledge of or interest in Virtual Desktop Infrastructure (VDI) and Virtual Application technologies and Mobile Device Management solutions is a plus.

Data Analytics & Reporting:

Data Analytics and reporting organization is seeking a highly motivated and talented individual to intern in the organization. The intern will work with a team of highly technical professionals on our Data Analytics & Reporting projects, observing and learning how enterprise-wide analytics projects are architected, planned, researched, and executed and will include hands on experience working closely with experience data analysts. Have an opportunity to create dashboards using MS Power BI, perform research and documentation, develop data analytics solutions and reporting.

Requirements: Natural curiosity and eager to learn, High initiative and engagement, Ability to work with minimal supervision, Passion for working with data, Excellent written and oral communication skills, Ability to work in a fast-paced environment, Desire to work within a team with strong collaboration skills, Basic knowledge of computer hardware and networking with an interest in data analytics, Positive attitude, Completed 2 semesters of coursework toward a degree in MIS, CIS, Computer Science, Data Analytics, Cyber Security, etc.

Application Development Strategies & Standards – Developer Analyst:

Application Development Strategies & Standards area is seeking a highly motivated and talented individual to intern in the organization. The intern will work with a team of highly technical professionals on our application design and development projects, observing and learning application development projects are architected, planned, researched, and executed and will include hands on experience working closely with experience Senior developers and solution architects.

Requirements: Basic knowledge of computer hardware and networking with an interest in data analytics, Positive attitude, Experience in or ability to quickly learn the following skills: Programming: Python, C#, Web Stack, Java, C++, Software: Office 365, Power BI, Generative AI, MS Azure, Databricks and like programs, Technology: AI, video analytics, ML/AI Ops

Business Excellence – Risk & Compliance:

Risk and Compliance organization is seeking a highly motivated and talented individual to intern in the organization. The intern will work with a team of highly technical professionals on our Risk and Compliance projects, observing and learning how risk and compliance projects are architected, planned, researched, and executed and will include hands on experience working closely with experience risk compliance analysts.

Requirements: Basic knowledge of computer hardware and networking with an interest in data analytics, Positive attitude, Experience in or ability to quickly learn the following skills: Programming: Python, C#, Web Stack, Software: Office 365, Power BI, Generative AI, MS Azure, Databricks and like programs, Technology: AI, video analytics, ML/AI Ops

Technology Strategy & Program Delivery:

Join our Technology Strategy and Program Delivery team as an Intern and immerse yourself in the heart of project management and operational excellence. In this role, you will gain hands-on experience with Broadcom Clarity for project and portfolio management, delve into the nuances of our defect ticketing triage process, and contribute to the creation and analysis of critical reports. You will also explore the realms of data analytics, assisting in interpreting data to drive project decisions. Additionally, you will play a role in the onboarding process for new projects and team members and get a chance to apply various project management methodologies. This internship is an opportunity to be part of a team that values innovation and efficiency, offering a comprehensive insight into the dynamic world of PMO operations.

Requirements: Prior experience in technology projects or academic projects, Basic understanding of PMI-based project management principles and methodologies, familiarity with program and project delivery, and project management lifecycle, Analytical skills to assist in managing project activities, including cost tracking and project monitoring, Ability to manage multiple tasks and contribute to project deliverables effectively, Effective communication skills, both oral and written, with the ability to interact professionally, Technical Proficiency: Familiarity with Microsoft Office Suite, especially Teams, Excel, PowerPoint, and Word. Exposure to project management software like Microsoft Project and Clarity PPM

is beneficial. Basic understanding of SharePoint and TEAMS administration is a plus. Interest in learning about Business Intelligence reporting tools such as TEAMS/SharePoint, Excel, PowerPivot, PowerBI.

Infrastructure Services:

Infrastructure Services is responsible for providing secure, reliable and compliant network and computing environments that support the current and future needs of the business. Infrastructure Services fulfills these needs through an innovative and dedicated staff that provides strategy, planning, engineering, implementation, support, maintenance and 24/7 monitoring services for Southern Company's networks (telecommunication, data, voice and wireless), and computing platforms (servers, storage and mainframe).

Network Services:

Network Services owns all data network technologies, which includes network routing protocols, quality of service, MPLS, core data center and wide area data network routing and switching, integration of our network with an internet service provider, establishment of VPNs (virtual private networks), voice call management, VOIP (voice over IP), voice contact center, video infrastructure technology, fixed wireless routers, wireless LAN, and firewalls. You will assist in building scripts for automation of repetitive tasks, and building scripts to maintain standard configuration templates

Requirements: This position has primary responsibility for learning how to provide tactical planning, engineering design, engineering consulting, documentation, equipment lifecycle management, and technical support for the network infrastructure of Southern Company and associated subsidiaries.

Telecom Services - Data Analytics:

Telecom Services is responsible for system level support of Southern Company telecommunications transport systems and infrastructure. This includes support of the Company's RF systems to include AMI (Advanced Metering Infrastructure), point-to-point microwave, as well as GPON (Gigabit Passive Optical Network), DWDM (Dense Wavelength-Division Multiplexing), SEL ICON, and Nokia SARS Next Gen Telecom systems from both a 24x7 operations and project implementation perspective. This position has primary responsibility for learning how to provide tactical planning, engineering design, engineering consulting, documentation, equipment lifecycle management, and technical support for the Telecom infrastructure of Southern Company and associated subsidiaries.

An intern on this team will work closely with Telecom engineers, analysts, IT staffs, and various other departments to understand telecom data needs and requirements. You will stay updated with the latest trends and technologies in telecom and data analytics. Identify and troubleshoot data-related issues using Southern Company's approved databases and guidelines. Analyze telecom data to identify and trends or potential discrepancies and use these findings to assist in evaluating telecom systems to optimize performance. Help with maintaining and ensuring analytical procedures and results are well-documented for future references.

Requirements: Ability to analyze information from multiple sources for complex problem resolution, Ability to organize tasks and coordinate various employees, vendor / contractors, and customers / partners to meet project goals, Ability to work independently, prioritizing major tasks by overall impact to the company, Ability to effectively utilize standard Company computing applications (i.e. Visio, Outlook,

Word, Excel, etc.), Ability to build relationships and work in a team atmosphere, Ability to provide and accept feedback, Strong analytical and troubleshooting skills, Demonstrate Southern Company Core Values, Professional oral and written communication skills, Ability to perform every task safely

Telecom Services – Engineering Support:

Telecom Services is responsible for system level support of Southern Company telecommunications transport systems and infrastructure. This includes support of the Company's RF systems to include AMI (Advanced Metering Infrastructure), point-to-point microwave, as well as GPON (Gigabit Passive Optical Network), DWDM (Dense Wavelength-Division Multiplexing), SEL ICON, and Nokia SARS Next Gen Telecom systems from both a 24x7 operations and project implementation perspective. This position has primary responsibility for learning how to provide tactical planning, engineering design, engineering consulting, documentation, equipment lifecycle management, and technical support for the Telecom infrastructure of Southern Company and associated subsidiaries.

An intern on this team is responsible for strategic and tactical plans and engineering designs for all telecom network facilities including digital microwave- packet, fiber optics, WAN and data communications equipment, ancillary systems, and leased telecommunications services. Responsible for development and compliance of engineering standards including documentation, product, lifecycle plans, and design packages. Responsible for providing support to other Southern Company Operating Companies and/or Partners on issues related to transport network planning, engineering design, and engineering consulting.

Requirements: Ability to analyze information from multiple sources for complex problem resolution, Ability to organize tasks and coordinate various employees, vendor / contractors, and customers / partners to meet project goals, Ability to work independently, prioritizing major tasks by overall impact to the company, Ability to effectively utilize standard Company computing applications (i.e. Visio, Outlook, Word, Excel, etc.), Ability to build relationships and work in a team atmosphere, Ability to provide and accept feedback, Strong analytical and troubleshooting skills, Demonstrate Southern Company Core Values, Professional oral and written communication skills, Ability to perform every task safely

Technology Innovation:

As an intern on the Technology Innovation Team, you will primarily develop rapid prototypes. The solutions may include applications, games, and AI development. Emerging technology research is an integral part of the position, as being on the cutting edge of technology is necessary for any innovation organization. In addition to development work, an intern will also participate in demonstrations of the prototypes and help leadership facilitate innovation challenges. Specific job responsibilities include:

Teamwork

- As an integral part of the team, participate in the work planning for the team, share updates in daily standups, and keep leadership up to date on any roadblocks.

Rapid Prototyping

- Participate in the development and prototyping of ideas from the backlog.

Emerging Technology

- Research disruptive technologies and incorporate findings into Emerging Technology tracking program.

Ideation Sessions

- Work with leadership to facilitate ideation sessions by leading a small group in Design Thinking practices. Duties include documenting all deliverables, logistical and tech support, and contributing to ideation.

Demonstration

- Participate in demonstration of prototypes, emerging technology research, and Ideation Session deliverables.

Requirements: Experience in or ability to quickly learn the following skills: Programming: Python, C#, Web Stack, Mobile platforms, Software: Office 365, Adobe CC, Unity, Unreal 5, JIRA, MIRO, Generative AI, and like programs, Technology: AI, video analytics, smartphones, AR/VR/XR, robotics, Gamification, Knowledge of computer/mobile hardware, Previous business experience is a plus.

Early Career Talent Program Office

The Technology Organization's Early Career Talent (ECT) Program Office is responsible for hiring, developing, and retaining early career technical talent. The Program Office oversees the organization's internship program, military recruiting efforts, external partnerships, and employee development program.

he ECT Program Manager is seeking an Intern Project Coordinator to assist with the tactical execution of the program office objectives. The position will afford the successful candidate the opportunity to gain hands-on experience in project management, database creation/management, data analytics/reporting, website design/maintenance, task automation, video production/editing, event planning and more. Additionally, the successful candidate will learn and utilize skills in SharePoint, Power Automate, Microsoft Project, Power BI, SQL and more.

Requirements: Exhibit strong technical aptitude and acumen, strong written and verbal communication skills

Gas Technology Solutions – Application Development

Gas Technology Solutions partners with the business to provide technology planning, software and systems design, development, implementation, and support. Aligned with business imperatives, the teams manage strategic technology plans with Distribution Operations, Customer Service and Experience, Field Operations, and Work Management. Our services include business unit consulting and technology planning, systems and software development and implementation, systems and software integration, and lifecycle maintenance of technology.

The position will potentially be contributing to all phases of the software development and maintenance life cycle, including requirements-gathering, specification, design, estimating, development, configuration, implementation, testing, and deployment.

Requirements: Areas of interest should include software development, Excellent technical troubleshooting competency, problem-solving and conflict-resolution ability, Ability to learn new technologies quickly, Excellent ability to explain technical concepts to non-technical people, Good documentation practices. Technical Skills Required - Experience in or ability to quickly learn development languages/platforms including, but not limited to: Programming: Angular, C#, SQL, Web Stack, Mobile platforms

<mark>**Gas Technology Solutions – Data Solutions:**</mark>

This intern position will build and maintain innovative solutions as a member of the Data Solutions function within the Technology Organization (TO) for Southern Company Gas (GAS). This role will closely partner with the new GAS Enterprise Decision Support and Data Governance (EDGE) organization to accelerate delivery of projects and data requests from our business units. The Data Solutions intern will also work with other team members to help advance the TO Data Management and Data Analytics strategy by increasing our capabilities to deliver data solutions rapidly and efficiently while providing excellent value for the organization.

The intern will have the opportunity to work with stakeholders – both business and IT – to review functional and non-functional requirements, then design, develop, implement, and support data engineering and analytics solutions. These solutions include on-premise, big data and Microsoft Azure technologies that align with and support data visualization and analytics solutions, reporting and dashboarding.
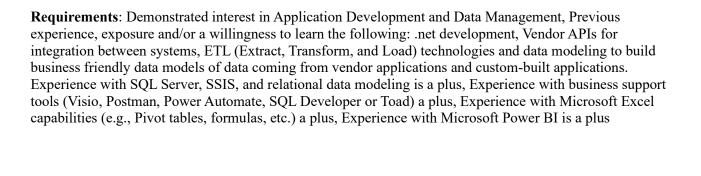
Requirements: Interest in full life-cycle implementation and support of DW/BI solutions, Experience/learning how to use SQL in Oracle, SQL Server relational databases, Experience/learning how to use the fundamentals of designing, developing, testing, deploying, and administering reporting and dashboarding solutions using Power BI including data models and MDX, Interest in building .NET based web portals using Azure App Services, ReactJS and API/Web Services and embedding Power BI reports, Experience/learning how to use tools such as MSBI (SSAS/SSRS), Cognos Analytics etc.

<mark>**Technology Tools Manager Application Developer:**</mark>

Technology Tools enables enterprise transformation by leveraging technical and subject matter expertise to drive innovative advancements to the digital ecosystem of Southern Company. The team is responsible for implementing and maintaining technology solutions that support the technology Organization to run as a business. The team is responsible for the design and development of custom-built solutions and the implementation of vendor solutions (on-premises and cloud based) in support of asset management, service management, process management, application lifecycle management, and project management for the Technology Organization.

We are seeking a highly motivated individual to join our DevOps team providing support for custom-built solutions and system integration. The intern will aid in the development of integrations between systems, helping further our initiatives to automate data management between applications and improve data quality. The intern will have the opportunity to participate in cross-functional troubleshooting, problem solving and root cause analysis. The intern will also work with Power BI to research and develop dashboards to provide insights to data stewards to improve overall data management within our applications.

The intern will have the opportunity to learn and gain practical experience in: Application infrastructure in Cloud and on-premises, Working with SQL Server, SSIS, .net, and vendor API's, Implement simple architectures from start to finish, Software Design, Requirements Gathering and Analysis, Test Planning and Development, Automation Techniques, Solution Security, Troubleshooting and Root Cause Analysis.

Requirements: Demonstrated interest in Application Development and Data Management, Previous experience, exposure and/or a willingness to learn the following: .net development, Vendor APIs for integration between systems, ETL (Extract, Transform, and Load) technologies and data modeling to build business friendly data models of data coming from vendor applications and custom-built applications. Experience with SQL Server, SSIS, and relational data modeling is a plus, Experience with business support tools (Visio, Postman, Power Automate, SQL Developer or Toad) a plus, Experience with Microsoft Excel capabilities (e.g., Pivot tables, formulas, etc.) a plus, Experience with Microsoft Power BI is a plus