

NIA ROBINSON

Power Management Control Engineer

👤 Profile

Innovative Senior Systems Engineer/Architect with over 12 years of experience in high-load applications, including 7 years dedicated to Electric Transmission, Distribution, and Power Generation. Skilled in energy management system (EMS) and distribution management system (DMS), with a strong foundation in Java, C#, Python, and SQL. Committed to maintaining high availability and reliability in systems operations, I have successfully led projects involving procurement, technical assistance, and project management, ensuring compliance with safety and operational standards. My experience includes performing root cause analysis and corrective actions, as well as developing controls logic programming and graphical user interfaces for remote terminal units (RTUs), programmable logic controllers (PLCs), switchgear, and relays.

★ Achievements

- **1 of 4 key members** supporting high-reliability critical infrastructure while navigating compliance regulations and frameworks like **NIST CSF/ATT&CK** within **NERC CIP with a network defender posture**.
- **Solved a 9-year production application failure in 2 days** by identifying and correcting a misconfigured web config.
- **Resolved a 3-year critical vulnerability in 3 days** by identifying and removing an outdated and insecure Java library file to ensure compliance and compatibility for migration to secure **RHEL 8** environment.
- Designed automated security compliance scripts in **PowerShell/Python** to streamline patch reporting, endpoint health verification, and network monitoring.
- Provided Tier 3 escalation and engineering support for **endpoint security (Symantec/Sophos)**, **role-based access control (CCURE 9000)**, **identity and access management (CyberArk)**, **network defense (Cisco Firepower)**, **SIEM (Tripwire Enterprise)** and **vulnerability management (Tripwire IP360, Nessus)** platforms.

🎓 Education

ITIL Foundation Certificate in IT Service Management

Nov 2014

B.Eng. Computer Engineering, Auburn University

Details

Richmond, Virginia

United States

8502284415

nrobinson00046@gmail.com

Skills

Graphical User Interfaces

Controls Logic Programming

Procurement

Technical Assistance

Corrective Action

Root Cause Analysis

Electrical Power Monitoring System (EPMS)

Building Management System (BMS)

Project Management

Troubleshooting

Employment History

Senior Systems Analyst at Dominion Energy

Oct 2023 — Mar 2025

Innovative Senior Systems Engineer with extensive experience in high-load applications, particularly in Electric Transmission and Power Generation, focusing on system optimization and cybersecurity.

- Supported 14+ applications for Nuclear Power Generation using OSI SCADA, ensuring operational efficiency.
- Achieved Exceptional Contributor status with a 110% rating in first-year performance review, reflecting commitment to excellence.
- Led cross-functional teams on multiple projects, enhancing collaboration and driving successful outcomes.
- Saved over \$300k by identifying and mitigating vulnerabilities in Unix and Windows server applications.
- Conducted thorough manual testing and code reviews to uncover Java security loopholes, improving overall system security.
- Maintained high availability and reliability through on-call rotations and proactive system monitoring.
- Managed procurement of new tools and vendors, performing comprehensive risk assessments to ensure project success.
- Facilitated remote access solutions via CyberArk and VMware Horizon, enhancing operational flexibility.

Senior Systems Engineer at Duke Energy

Mar 2022 — Sep 2023

Innovative Senior Systems Engineer with extensive experience in managing high-load applications and critical infrastructure, focusing on system performance and cybersecurity.

- Provided technical support for over 100 Distribution and SCADA servers, ensuring optimal operation and reliability.
- Performed integrity checks and troubleshooting on Distribution and SCADA applications to maintain system performance.
- Developed and upgraded applications using C#, enhancing functionality and user experience.
- Optimized SQL stored procedures for improved database performance and data handling.
- Participated in on-call rotations, providing immediate technical assistance during critical incidents.
- Utilized remote access tools like Citrix to facilitate support for distributed systems.

Power Management Control Engineer at City of Tallahassee

Oct 2018 — May 2021

Innovative Senior Systems Engineer with extensive experience in high-load applications and a strong focus on cybersecurity and system optimization.

- Implemented cybersecurity measures for Electric SCADA and Relay networks, ensuring compliance with industry standards.

- Conducted patch management across 40 servers, significantly reducing vulnerabilities.
- Diagnosed and resolved issues with servers and user workstations in control centers, improving operational efficiency.
- Oversaw disaster recovery solutions for critical servers and clients, ensuring business continuity.

SQL Developer at Apalachee Center Inc.

Oct 2017 — Oct 2018

Innovative Senior Systems Engineer with over 12 years of experience in high-load applications and a focus on electric transmission and power generation, providing technical expertise in systems operations and project management.

- Developed and integrated SAP Crystal Reports within Electronic Medical Records to enhance data accessibility.
- Created interactive widgets using HTML and SQL to improve user experience and data visualization.
- Conducted comprehensive data analysis that identified process improvements, leading to significant operational efficiencies.
- Drove revenue growth exceeding \$100k through targeted data analysis and reporting, ensuring compliance with state-funded guidelines and regulations.

SQL Developer at FBMC Benefits Management

Feb 2015 — May 2017

Experienced systems engineer with a strong background in optimizing system performance and managing projects in mission-critical environments.

- Reduced project timelines by two months as the lead on Agile development initiatives.
- Developed custom SQL solutions that saved the company \$7,000 annually.
- Created and maintained Java applications, enhancing operational efficiency.
- Designed and supported two IVR phone applications, improving customer interaction.
- Recognized with the 'Being Innovative and Taking Initiative Award' for successfully migrating from SyBase to SQL Server in a new IVR system.

Systems Engineer at Flowers Foods Inc

Dec 2013 — Feb 2015

Innovative Senior Systems Engineer with extensive experience in optimizing data retention and disaster recovery systems, specifically in mission-critical environments.

- Enhanced data retention in disaster recovery applications from 40% to 97%, ensuring critical data accessibility.
- Developed SQL scripts in Oracle XE for data validation, improving reliability and compliance.
- Engineered a Java application to automate archiving and purging processes across all Unix servers, streamlining operations.