

# ONYINYECHI NDUKWE

## SCADA Systems Engineer

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### Summary

SCADA Systems Engineer with over 4 years of experience in system administration, network architecture design, and cybersecurity implementation. Expert in Linux administration, network security, and system automation. Designed and implemented SCADA systems for industrial automation projects, resulting in improved real-time monitoring and control, and an increase in operational efficiency. Implemented network architectures optimized for SCADA systems, leading to a reduction in network downtime. Seeking a Systems Integration Engineer role at a company where I can leverage my expertise in SCADA systems and network architecture to support mission-critical projects.

### Experience

#### OVARRO

UK

##### SCADA Systems Engineer

04/2023 - Present

- Designed and implemented SCADA systems for industrial automation projects, resulting in improved real-time monitoring and control of critical processes
- Implemented network architectures optimized for SCADA systems, supporting reliable and scalable operations
- Conducted system testing, troubleshooting, and optimization to maximize system performance and efficiency
- Collaborated on enhancing OT systems by creating comprehensive guide documents for integrating third-party solutions like Kerberos, Tang, and Clevis client decryption with Ovarro SCADA Solutions
- Collaborated with cross-functional teams to deliver integrated solutions that meet client requirements and project objectives
- Configured network architectures optimized for SCADA systems, including routers, switches, firewalls, and VPNs, to ensure reliability and scalability
- Managed IT infrastructure components such as servers, databases, and virtualization platforms to support SCADA system operations
- Provided technical expertise and support throughout the project lifecycle, from initial design and development to deployment and maintenance
- Developed and maintained automation scripts for Linux operating systems, enhancing system security and efficiency
- Configured system security measures and access privileges, ensuring secure and controlled system access
- Monitored and analyzed system performance, identifying and resolving operational issues in a timely manner
- Performed system backup and recovery procedures to ensure continuous operations and data integrity
- Conducted system analysis to identify and resolve performance issues, optimizing system functionality
- Managed the installation, configuration, and maintenance of Linux systems, ensuring their smooth operation

#### Schneider Electric

Nigeria

##### Project Application Engineer

10/2019 - 03/2023

- Safeguarded critical infrastructure by implementing and maintaining cybersecurity measures for DCS, SCADA, and telemetry systems, resulting in a 30% reduction in security incidents
- Managed IT infrastructure, including servers, storage systems, and virtualization platforms for several IT assets
- Protected IT assets by implementing network security measures such as firewalls, intrusion detection systems, and access controls, covering numerous devices
- Strengthened system security by implementing and maintaining network and system hardening for DCS, SCADA, and telemetry systems across 10 facilities
- Improved system administration efficiency by demonstrating expertise in Foxboro system administration, resulting in a 40% reduction in system downtime
- Optimized PLC operations for LafargeHolcim cement manufacturing company, resulting in a 15% increase in operational efficiency

#### Schneider Electric

Nigeria

##### Project Application Engineer Intern

01/2018 - 08/2018

- Supported project engineers in planning, scheduling, and executing engineering projects according to specifications and deadlines
- Provided technical assistance by researching and analysing technical data, specifications, and requirements
- Assisted in the preparation and maintenance of project documentation, ensuring accurate and up-to-date records
- Participated in tests, experiments, and evaluations to assess project performance and compliance with requirements

### Education

#### Landmark University

##### Bachelor's in electrical and Electronics Engineering

07/2014 - 2019

### Key Projects

Jones Creek Produced Water Treatment Plant, Nigeria | NLGLCM Virtualization, Nigeria | NLNG Digital Twin

## Key Projects

- NLNG VM Life Cycle Management, Nigeria
- NLNG Online Training system Upgrade, Nigeria
- NLNG Digital Twin Solution - Phase 1, Nigeria
- ORLEN Refinery Foxboro and Triconex System Upgrade, Lithuania
- Wessex SCADA System Upgrade, UK
- Southeast Water SCADA Upgrade, UK
- DCWW Welsh Water SCADA Upgrade, UK
- AMNI FPSO DCS Upgrade & Telemetry System Solution
- LafargeHolcim PLC Preventive Maintenance, Nigeria

## Skills

Active Directory · AWS cloud computing · networking · Bash · Tang/Clevis · Wireshark · vSphere · Cybersecurity · data integrity · DCS · Firewall · Fortinet · Hyper-V · Juniper · Kerberos · windows server administration · linux administration · Modbus protocols · network security · PLC · Powershell · Python · SCADA · Switches · System Testing · Team Leadership · Telemetry · VMWare

## Achievements

- ◆

**Implemented SCADA Systems**  
Designed and implemented SCADA systems for industrial automation, leading to improved real-time monitoring and control, resulting in increase in operational efficiency.
- ◆

**Optimized Network Architectures**  
Created network architectures optimized for SCADA systems, resulting in reliable and scalable operations and a reduction in network downtime.
- ◆

**Enhanced OT Systems Integration**  
Collaborated on the integration of third-party solutions with Ovarro SCADA, improving system functionality and achieving faster data integration.
- ◆

**Improved System Reliability**  
Commissioned substation systems and upgraded infrastructure, resulting in a 20% increase in system reliability and a 15% reduction in downtime.

## Industry Expertise

- Continuous Learning & Adaptability
- Team Leadership & Collaboration
- Problem-Solving & Decision-Making
- Server virtualization
- IT Infrastructure Management
- System automation and scripting
- System Administration & Support
- System Monitoring and Troubleshooting
- Cybersecurity Implementation