

Kyle Allen

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Summary

Full Stack Software Engineer with a strong background in network engineering, transitioning from 16+ years in leadership, technical troubleshooting, and system integration. Experienced with JavaScript, Node, and Python, alongside foundational skills in networking, TCP/IP, and systems optimization. Currently pursuing a B.S. in Software Engineering while leveraging both software development and network engineering expertise to build scalable APIs, robust applications, and secure, reliable systems.

Education

Western Governors University

Bachelor of Science, Software Engineering

2026

Professional Experience

TASUS CORP

Process Engineer

2024 - May 2025

Florence, AL

- Planned and initiated a deployment of thin clients and monitors at each production station to track real-time operator quality metrics. Designed wireless network integration into network infrastructure via Wi-Fi, secured vendor quotes, and implemented functionality test station as proof-of-concept before product was rolled out full scale.
- Facilitated training and process improvement initiatives that enhanced system efficiency and overall reliability.
- Collaborated cross-functionally to troubleshoot complex technical issues and implement scalable, long-term solutions.
- Applied root cause analysis for data-informed decisions, aligning with principles of continuous improvement and system reliability.
- Streamlined workflows and optimized operations, contributing to measurable productivity gains similar to process automation best practices.
- Supported cross-team problem-solving efforts with a focus on reliability, scalability, and process automation.

POLARIS

Maintenance Supervisor / Process Engineering Technician

2018 - 2024

Huntsville, AL

- Deployed Epicor machine monitoring network for eight Injection Molding machines by running Cat6 cables from each machine to an overhead routing system, terminating at central hub. Integrated dual-signal inputs of clamp closed and injection start for accurate data capture, configured monitoring thin clients, and validated end-to-end connectivity for real-time production analysis.
- Diagnosed and resolved critical system issues across PLCs, robotics, and networked equipment, utilizing structured problem-solving methods comparable to modern IT support practices.
- Collaborated with stakeholders and management to review and communicate daily SQDC metrics, leveraging Red/Green indicators to identify performance gaps, drive accountability, and implement corrective actions.
- Maintained automation software, configured system updates, and supported group technical training, reflecting organized version control principles.
- Led troubleshooting for control systems by applying systematic analysis parallel to debugging and service reliability efforts.

PROPER POLYMERS

Process Engineering Technician

2017 - 2018

Pulaski, TN

- Programmed and maintained high-efficiency automated systems, documenting configurations and procedures akin to maintaining technical documentation for API integrations.
- Supported system commissioning in a manner consistent with rigorous software deployment and validation workflows.

MAGNETI MARELLI

Senior Process Technician

2015 - 2017

Pulaski, TN

- Conducted in-depth diagnostics on industrial systems using data analysis and root-cause methodologies that parallel modern reliability monitoring practices.
- Collaborated with engineering teams to fine-tune system parameters and control logic, fostering continuous process integration.

NORTH AMERICAN LIGHTING

Process Engineering Technician

2009 - 2015

Muscle Shoals, AL

- Provided technical leadership for maintenance and process improvement initiatives, streamlining operations for enhanced reliability.

Technical Skills

- **Networking Protocols:** TCP/IP, VLANs, DHCP, DNS
- **Programming Languages & Frameworks:** JavaScript, Rust, Python, Node.js
- **Web & Markup:** HTML/CSS
- **Database & Data Management:** SQL
- **Version Control:** Git

- **Enterprise and Operating Systems & Cloud:** Active Directory, Office 365, Windows, Linux, AWS, Google Cloud
- **Tools & Concepts:** Help Desk Support, Troubleshooting, Process Automation, Cybersecurity Fundamentals, Ticketing Systems, Networking Basics, Technical Documentation

Certifications

- Coursera: Google IT Support Professional – Google Cybersecurity – Google Data Analytics
- AWS Certified Cloud Practitioner (AWS)

References

Due to this document being public, references can be made available immediately upon request. Thank you.