

Lonnie Lee

Senior DevOps & Infrastructure Engineer | KY Master Electrician
Rineyville, Kentucky

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Professional Summary

Results-driven **Senior Infrastructure & DevOps Engineer** with 10+ years of experience managing complex international environments across the **United States and Canada**. Expert in bridging **Industrial OT (Allen Bradley, Cognex)** with **modern CI/CD pipelines** and **Microsoft/Linux infrastructure**. Licensed **Kentucky Master Electrician** with a proven track record of ensuring 99.99% uptime for mission-critical warehouse and data center operations.

Technical Expertise

- **Infrastructure & Security:** Microsoft Active Directory, Windows Server 2018, Fortinet, OPNsense, VLANs/VPNs, Cloudflare, Nutanix.
- **DevOps & Automation:** Kubernetes (K8s), Docker, GitLab CI/CD (gitlab-ci.yml), Python, Bash, PowerShell.
- **Industrial OT & IoT:** Allen Bradley PLC, Zebra/Motorola Handhelds (MC3300/MC9190), Cognex/Sick Scanners, RFID, IBM 5250 Emulation (TN5250), Raspberry Pi Kiosks.
- **Development & Data:** C#, VB.NET, ASP.NET, WinForms, SQL Server (T-SQL Stored Procedures), Dundas BI.
- **Tools:** Dameware, PuTTY, (S)FTP, Minicom, Screen, Arduino Sketch.

Professional Experience

Senior Infrastructure Engineer | USA & Canada Multi-Site Support | 2012 – 2024

- **Engineered multi-site Microsoft Active Directory** architecture and server lifecycles for international locations, ensuring consistent policy enforcement across borders.
- **Automated deployment pipelines** using GitLab CI/CD, reducing software upgrade cycles by 40% and ensuring zero-downtime application installations.
- **Developed real-time monitoring solutions** via T-SQL stored procedures to track conveyor belt errors and automate email alerts, reducing warehouse downtime by 25%.
- **Orchestrated remote operations** using Dameware and PuTTY to support 50+ rugged hardware devices (Zebra/Motorola) across North American facilities.
- **Senior Systems & OT Administrator** | Confidential Company | 2012 – 2024
- **Bridged Industrial OT and IT** by implementing IBM 5250 emulators on Raspberry Pi via TN5250, saving over \$50k in legacy hardware replacement costs.
- **Managed facility-wide power integrity** as the **Master Electrician of Record**, overseeing electrical contractor work and industrial PLC maintenance (Allen Bradley).
- **Optimized Linux environments** ([RedHat](#), CentOS, Slackware) for industrial kiosks and custom web apps with integrated Microsoft Group permissions.

Licenses & Certifications

- **Kentucky Master Electrical License**
- **Kentucky Electrical Contractors License**
- **Actively Studying:** Kubernetes Administrator (CKA), GitLab CI/CD Specialist.

Education

- **Relevant Coursework:** Systems Administration, Infrastructure Design, Full-Stack Development.

