

Lonnie Lee

Senior Full-Stack Developer & Infrastructure Engineer

Rineyville, Kentucky

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PROFESSIONAL SUMMARY

Innovative **Senior Full-Stack Developer** with 10+ years of experience delivering robust web, Windows, and service-based applications. Expert in the **Microsoft Stack (C#, ASP.NET, SQL Server)** and modern **DevOps automation (Kubernetes, GitLab CI/CD)**. Unique expertise in engineering software that interfaces with industrial hardware (PLCs, RFID, Scanners). **Dual-licensed Master Electrician** providing a rare understanding of high-availability power and industrial system resilience.

TECHNICAL CORE

- **Languages:** C#, VB.NET, JavaScript, HTML5/CSS3, Python, Bash, PowerShell.
- **Frameworks/Web:** ASP.NET (Core/WebForms), WinForms, Zoho Sites, Cloudflare WAF.
- **Database Engineering:** Advanced SQL Server (T-SQL Stored Procedures, Database Design, Integration Services).
- **DevOps & Cloud:** Kubernetes (K8s), Docker, GitLab CI/CD (YAML), Active Directory Architecture.
- **IoT & Embedded:** Raspberry Pi Kiosk Design, Arduino Sketch, IBM 5250 (TN5250), Minicom/Picocom.

- **Industrial Hardware:** Allen Bradley PLC, Zebra/Motorola Handhelds, Cognex/Sick Scanners, Alien RFID.

PROFESSIONAL EXPERIENCE

Senior Full-Stack Developer & Infrastructure Engineer | *USA & Canada Operations* | 2020 – Present

- **Architected Full-Stack Solutions:** Designed and maintained web applications using **C# and ASP.NET**, integrating Microsoft Groups for granular permission-based security.
- **Engineered Data Automation:** Developed advanced **T-SQL Stored Procedures** to monitor conveyor belt telemetry in real-time, automating error tracking and email alerting systems.
- **DevOps Transformation:** Currently leading the migration of legacy services to **Kubernetes** and **Docker** containers using **GitLab CI/CD** automation pipelines.
- **Multi-Site Deployment:** Managed software upgrades and app installations for enterprise-wide locations across the **United States and Canada** via Dameware and PuTTY.
- **Senior Systems & Software Administrator** | *Industrial Operations* | 2012 – 2024
- **Legacy Modernization:** Built a custom **IBM 5250 emulator** on Raspberry Pi using open-source **TN5250**, extending the life of legacy systems and reducing hardware costs.
- **Industrial Integration:** Developed software interfaces for **Zebra/Motorola** handhelds (MC3300/MC9190) and industrial scanners to streamline warehouse logistics.
- **Hardware Automation:** Designed and programmed Raspberry Pi-based warehouse kiosks and automated break tone systems using **Python** and **Bash** scripting.
- **Infrastructure Lead:** Supported large-scale SQL Server databases and Windows Server environments (Active Directory) for mission-critical industrial services.

LICENSES & CERTIFICATIONS

- **Kentucky Master Electrical License** (Active/In Good Standing)
- **Kentucky Electrical Contractors License** (Active/In Good Standing)
- **Active Learning:** Kubernetes Administrator (CKA) path; GitLab CI/CD Automation Specialist.

EDUCATION

- **Systems Administration & Infrastructure Design**
- **Full-Stack Software Development & Database Engineering**