KABUNDI Tshisuaka

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Professional Summary

Highly motivated and results-oriented professional with **18+ years of deep experience** in complex systems engineering, industrial automation, and maintenance operations, now transitioning to a career in **Software Development**. Proven ability to apply **logical thinking**, **systems troubleshooting**, and **problem-solving** expertise, honed in high-pressure manufacturing environments, to the development of robust and **scalable application development**. Recently completed a Full Stack Web Development Bootcamp and a QA Software Tester certification to build a strong foundation in modern software engineering principles. Seeking to leverage extensive experience with **automation** (including **PLC programming** and control systems) and newly acquired programming skills, specifically targeting a **Software Engineer I** role where the ability to quickly master new technologies like **Scala** and contribute to remote teams is valued.

Technical Skills

Category	Skills
Programming Languages	JavaScript, Python, HTML5, CSS3, SQL
Frameworks & Libraries	React, Node.js, Express.js, PostgreSQL, MongoDB
Concepts & Tools	**Scala** (Foundational knowledge, eager to master), Software Development Lifecycle (SDLC), Git, Agile/Scrum, Electrical Troubleshooting, Industrial Automation, **PLC Programming** (Allen-Bradley, Siemens), Systems Diagnostics, Remote Work
Testing & Quality	QA Software Testing, Test Case Development, Unit Testing

Education

Full Stack Web Development Bootcamp Certificate (2023) *Georgia Institute of Technology*

QA Software Tester Certificate (2025) *JanBask Training*

Bachelor of Science in Software Engineering (2016) *University of Phoenix*

Technical Engineering in Electromechanical *DRC (Democratic Republic of Congo)*

Work Experience

Maintenance Engineer / Industrial Automation Specialist (2007 – Present) *Consolidated Experience across 8+ Companies in the USA*

- Applied **18+ years** of continuous hands-on experience in maintaining, diagnosing, and optimizing complex industrial machinery and control systems across diverse manufacturing environments.

- Expertly performed electrical **troubleshooting and diagnostics** on high-voltage and low-voltage systems, quickly identifying root causes and implementing permanent solutions to minimize downtime.

- Developed and modified **PLC (Programmable Logic Controller) programming** and systems to automate critical manufacturing processes, directly translating to experience in sequential logic, state machines, and robust system design—core concepts in **software development**.

- Managed and maintained sophisticated **Industrial Automation and Control Systems**, demonstrating a deep understanding of system architecture, data flow, and reliable operation under extreme conditions.

- Consistently utilized **problem-solving** and **logical thinking** skills to resolve complex operational failures in high-pressure environments, often involving integrating disparate systems and components.

- Successfully collaborated with cross-functional teams (production, engineering) to implement system upgrades and process improvements, showcasing strong communication and teamwork skills essential for **scalable application development**.

Software Projects

1. E-commerce Platform Backend (Simulated) * Developed a RESTful API using **Node.js** and **Express.js** to manage product inventory, user authentication, and order processing. * Implemented a **scalable** database schema using **PostgreSQL** to handle concurrent user requests and transactions. * Applied object-oriented programming principles and modular design, mirroring the structure required for enterprise-level **software development**.

2. Automated System Monitoring Dashboard (Concept) * Designed a proof-of-concept web application using **React** to visualize real-time data streams from simulated industrial sensors. * The project was inspired by the need for remote diagnostics in **industrial automation**, demonstrating the ability to bridge operational technology (OT) with information technology (IT). * Focused on responsive design and efficient data rendering, practicing skills necessary for front-end **application development** and **remote work** collaboration.