KABUNDI Tshisuaka

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Professional Summary

Highly analytical and results-driven professional transitioning from 18+ years of extensive experience in **Maintenance Engineering** and **Industrial Automation** to a career in **Software Engineering**. Proven expertise in complex system **troubleshooting**, **diagnostics**, and implementing optimized control systems using **PLC programming**—skills directly transferable to developing robust and efficient software solutions. Seeking to leverage strong foundational knowledge in **Python programming**, **Full Stack Web Development**, and the **Odoo framework** to excel as a **Senior Software Engineer, Supply Chain** at Eaze Inc. Dedicated to building scalable solutions and applying a systems-level approach to enhance **supply chain management** and delivery platform features.

Technical Skills

Programming & Frameworks: Python, JavaScript, HTML5, CSS3, React, Node.js, Express.js, SQL, Odoo (Framework & ERP), PLC Programming (Ladder Logic, Structured Text) **Databases:** PostgreSQL, MongoDB **Tools & Systems:** Git, GitHub, Linux, Industrial Control Systems, Electrical Troubleshooting, Diagnostics, ATS Optimization

Work Experience

Maintenance Engineer (Consolidated Experience) | USA **2007 – Present**

- Applied 18+ years of experience across 8+ companies to maintain, diagnose, and optimize complex industrial machinery and control systems, ensuring maximum operational uptime.

- Expertly performed **electrical troubleshooting and diagnostics** on high-voltage and low-voltage systems, quickly identifying and resolving root causes of failure.
- Developed and maintained **industrial automation and control systems**, including extensive work with **PLC (Programmable Logic Controller) programming** to streamline manufacturing processes.
- Successfully translated complex system requirements into logical, functional control code, demonstrating a strong aptitude for **logical thinking** and structured programming principles.
- Consistently demonstrated exceptional **problem-solving** skills in high-pressure manufacturing environments, reducing system downtime and improving overall production efficiency.
- Managed and executed maintenance engineering operations, including preventative maintenance schedules and emergency repairs, mirroring the structured approach required for software development lifecycles.

Education

QA Software Tester Certificate JanBask Training | 2025

Full Stack Web Development Bootcamp Certificate Georgia Institute of Technology | 2023

Bachelor of Science in Software Engineering University of Phoenix | 2016

Technical Engineering in Electromechanical DRC (Democratic Republic of Congo)

Software Projects

1. Supply Chain Inventory Management System (Odoo/Python Focus)

- Developed a custom module within the **Odoo framework** using **Python** to track and manage inventory across multiple warehouse locations, simulating a critical **supply chain management** function.
- Implemented custom reporting features using Odoo's ORM to provide real-time data on stock levels and reorder points, directly addressing common logistics challenges.

2. Cannabis Delivery Platform Feature Simulation (Full-Stack)

- Built a proof-of-concept feature for a delivery platform using **React** (frontend) and **Node.js/Express.js** (backend) to handle real-time order tracking and dispatch logic.
- Applied **problem-solving** and system design skills gained from industrial automation to architect a resilient, high-availability system.

Transferable Skills

- **Systems Thinking:** Ability to understand and optimize complex, interconnected systems, from industrial machinery to software architecture.
- **Automation Expertise:** Deep experience in designing and implementing automated processes (**PLC programming**) which translates directly to writing efficient, automated software code and scripts.
- **Logical Troubleshooting:** Decades of experience in systematic diagnostics and root cause analysis, a core competency for debugging and quality assurance in software development.
- **Attention to Detail:** Meticulous approach to electrical and mechanical tolerances, ensuring high-quality and reliable code.