KABUNDI Tshisuaka

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Professional Summary

Highly motivated and results-oriented professional transitioning from a distinguished **18-year career in Industrial Automation and Maintenance Engineering** to **Software Engineering**. Proven expertise in complex **systems troubleshooting**, **electrical diagnostics**, and **PLC programming** translates directly to building robust and **scalable React applications**. Seeking to leverage a strong foundation in **full stack development skills** (React.js, JavaScript, Node.js) and a Bachelor of Science in Software Engineering to enhance **digital transformation initiatives** at True Rx Health Strategists. Exceptional ability to apply logical thinking, problem-solving, and systems optimization in high-pressure environments, making me a valuable asset to **collaborate with cross-functional teams**.

Technical Skills

Category	Skills
Frontend	React.js, JavaScript (ES6+), HTML5, CSS3, Redux (Basic)
Backend/Full Stack	Node.js, Express.js, RESTful APIs, MongoDB (Basic)
Languages	JavaScript, Python, C++ (Fundamentals)
Industrial Automation	PLC Programming (Allen-Bradley, Siemens), Industrial Control Systems, HMI/SCADA, Electrical Troubleshooting
Tools & Concepts	Git/GitHub, Agile/Scrum, Systems Analysis, Problem-Solving, Logical Thinking, Data Structures (Basic)

Work Experience

Maintenance Engineer / Industrial Automation Specialist | 2007 – Present
Consolidated experience across 8+ companies in the USA, including manufacturing and logistics sectors.

- Applied **systems troubleshooting** and logical diagnostics to maintain and optimize complex industrial machinery, consistently reducing downtime by an average of 15%.
- Designed, implemented, and maintained **Industrial Automation and Control Systems** using **PLC programming** (Programmable Logic Controllers), demonstrating a strong foundation in programmatic logic and state management.
- Managed and executed **maintenance engineering operations**, including preventive maintenance schedules and emergency electrical troubleshooting, showcasing project management and critical problem-solving skills in high-pressure, time-sensitive environments.
- Successfully led projects to modernize legacy control systems, directly paralleling the enhancement of **digital transformation initiatives** by migrating to newer, more efficient platforms.
- Collaborated effectively with production, quality assurance, and management teams, mirroring the need to **collaborate with cross-functional teams** in software development.

Selected Software Projects

1. Digital Health Tracker (React.js, Node.js, MongoDB) * Developed a **scalable React application** prototype for tracking patient health metrics, demonstrating proficiency in modern frontend development and state management. * Implemented a RESTful API using Node.js/Express.js to handle data persistence and retrieval, showcasing **full stack development skills**. * Designed a user-friendly interface to visualize data trends, applying principles of systems analysis to ensure a clean and intuitive user experience.

2. Automated Inventory Management System (Python, SQL) * Created a backend system to automate inventory tracking and reordering for a simulated manufacturing

facility, drawing on experience with industrial systems. * The system reduced manual data entry errors by 90% and provided real-time stock levels, demonstrating the ability to build efficient and reliable programmatic solutions.

Education & Certifications

QA Software Tester Certificate | JanBask Training | 2025

Full Stack Web Development Bootcamp Certificate | Georgia Institute of Technology | 2023 * Intensive training focused on modern web development technologies, including **React.js**, Node.js, and database management.

Bachelor of Science in Software Engineering | University of Phoenix | 2016

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

Transferable Expertise: Automation to Software

- **Logical Thinking & Systems Architecture:** 18 years of experience with PLC and industrial control systems provides a deep, practical understanding of sequential logic, state machines, and system architecture, which is directly applicable to designing and building **scalable React applications** and full stack solutions.
- **Troubleshooting & Debugging:** Expertise in electrical and mechanical diagnostics is a powerful foundation for rapid software debugging and identifying root causes in complex codebases.
- **Digital Transformation:** Experience in modernizing industrial control systems is a proven track record of successfully implementing new technology to drive operational efficiency, a core requirement for enhancing **digital transformation initiatives**.