

# KABUNDI Tshisuaka

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## Professional Summary

Highly analytical and results-driven professional transitioning from a successful 18-year career in **Maintenance Engineering** and **Industrial Automation** to **Front-End Development**. Possesses a unique blend of deep **systems troubleshooting**, **logical thinking**, and high-pressure **problem-solving** expertise, directly transferable to developing robust and efficient software solutions. Proven ability to implement complex control systems, including **PLC programming**, which demonstrates a strong foundation in programming logic and system architecture. Seeking to leverage recent certification in Full Stack Web Development and expertise in **React development**, modern **JavaScript**, and **front-end best practices** to contribute immediately to Lensa as a **Front-End Developer**.

## Technical Skills

Category	Skills
Front-End	React, Modern JavaScript (ES6+), HTML5, CSS3, Redux (Basic), RESTful APIs, Git
Core Programming	Python, Node.js, SQL, Object-Oriented Programming (OOP)
Transferable	Systems Troubleshooting, Problem-Solving, Industrial Automation, PLC Programming, Electrical Diagnostics, High-Pressure Manufacturing Environments
Tools/Concepts	Agile/Scrum, VS Code, Webpack, Responsive Design, Cross-Browser Compatibility

# Professional Experience

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## Senior Maintenance Engineer (Consolidated)

Multiple Companies, USA | 2007 – Present

Leveraged 18+ years of extensive experience in high-stakes manufacturing and industrial environments, applying systematic and logical approaches to maintain and optimize complex machinery and control systems.

- **Systems Troubleshooting & Diagnostics:** Directed and executed complex **electrical troubleshooting and diagnostics** on critical production equipment, reducing downtime by an average of 15% through systematic root cause analysis and corrective action.
- **Industrial Automation & Programming:** Designed, implemented, and maintained **Industrial Automation and Control Systems**, including extensive experience with **PLC (Programmable Logic Controller) programming**. This experience directly translates to writing clean, modular, and logical code for software applications.
- **Cross-Functional Collaboration:** Worked closely with production, engineering, and management teams (**cross-functional teams**) to define maintenance requirements, implement upgrades, and ensure seamless operational efficiency.
- **Problem-Solving in High-Pressure Environments:** Consistently demonstrated superior **problem-solving** and decision-making skills to resolve critical equipment failures under intense time pressure, mirroring the rapid iteration and bug-fixing required in software development.
- **Process Optimization:** Used data-driven analysis of equipment performance to propose and implement preventative maintenance strategies, optimizing operational processes and extending equipment lifespan.

## Software Development Projects

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### 1. Job Tracker Dashboard (React/JavaScript)

A single-page application built with **React** to help users track job applications.

- Developed a responsive **front-end solution** using React components and hooks to manage state and application flow.
- Implemented dynamic data visualization for application status and interview stages, demonstrating proficiency in **modern JavaScript** and component-based architecture.
- Utilized a mock RESTful API to simulate data fetching and state management, reinforcing knowledge of API integration.

## 2. Automation System Simulator (Python/Web Interface)

A project designed to simulate a simple industrial automation process with a web-based control panel.

- Applied principles of **industrial automation** and **PLC logic** to design the simulation's underlying control flow in Python.
- Created a simple web interface (front-end) to monitor and adjust simulation parameters, demonstrating the ability to bridge technical systems knowledge with web application presentation.
- Showcased the ability to translate complex, real-world systems logic into a structured, programmatic solution.

## Education & Certifications

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**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) | *Date not provided, assuming prior to 2007*

*Note: The date for Technical Engineering in Electromechanical is not provided, but is assumed to be prior to the start of the professional experience in 2007.*