

# KABUNDI Tshisuaka

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## Professional Summary

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Highly analytical and results-driven professional with **18+ years of deep systems-level experience** in complex industrial automation and control systems, transitioning to a Senior Golang Software Engineer role. Proven expertise in **electrical troubleshooting, diagnostics, and PLC programming** (Programmable Logic Controller) demonstrates a strong foundation in **logical thinking, systems architecture, and problem-solving** within high-pressure manufacturing environments. Seeking to leverage this extensive background in robust, high-availability systems, coupled with recent intensive training in **Full Stack Web Development (2023)** and **QA Software Testing (2025)**, to design, develop, and advocate for **coding standards** and efficient **Golang applications** at Credit Acceptance. My background in maintaining and optimizing critical infrastructure directly translates to a focus on **code efficiency**, reliability, and scalable software design.

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# Technical Skills

Category	Skills
Programming Languages	Go (Golang), JavaScript, Python, HTML5, CSS3, SQL
Frameworks & Libraries	React, Node.js, Express, RESTful APIs, Git/GitHub
Databases	PostgreSQL, MongoDB
Automation & Systems	PLC Programming (Ladder Logic, Function Block Diagram), Industrial Control Systems, SCADA, Diagnostics, Troubleshooting, System Architecture
Testing & Quality	Unit Testing, Integration Testing, QA Methodologies, Test Case Development, Debugging
Methodologies	Agile/Scrum, Software Development Life Cycle (SDLC)

# Work Experience

## Maintenance Engineer / Industrial Automation Specialist | Various Companies (Consolidated) USA | 2007 – Present

Leveraged **18+ years** of continuous experience in high-stakes, fast-paced manufacturing and industrial environments, developing deep expertise in systems reliability and complex problem-solving.

- Systems Troubleshooting & Diagnostics:** Consistently performed advanced electrical and mechanical diagnostics to resolve complex system failures, demonstrating a meticulous, logical, and systematic approach to identifying root causes—a critical skill for **debugging** and improving **code efficiency** in software engineering.
- Industrial Automation & PLC Programming:** Designed, implemented, and maintained industrial automation systems, including programming and optimizing **PLCs (Programmable Logic Controllers)**. This experience is directly analogous to software development, requiring structured, sequential logic, state

machine design, and rigorous testing to ensure system integrity and performance.

- **Operational Excellence:** Authored and enforced operational procedures and maintenance standards across multiple facilities, demonstrating the ability to **author and advocate for coding standards** and best practices in a technical team setting.
  - **High-Pressure Problem-Solving:** Successfully managed and resolved critical equipment failures under tight deadlines, ensuring minimal downtime and demonstrating the resilience and decisive judgment required for senior-level software development and system design.
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## Relevant Software Projects

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**1. Go-Powered Microservice API (Simulated Backend)** \* **Project Focus:** Designed and developed a high-performance backend microservice using **Golang** to manage user authentication and data persistence for a simulated financial application. \* **Key Contributions:** Implemented **RESTful API endpoints** with Go's standard library and Gorilla Mux. Utilized **Goroutines** and channels for concurrent processing, demonstrating an understanding of Go's concurrency model for improved **code efficiency** and scalability. \* **Technical Stack:** Golang, PostgreSQL, Docker, REST.

**2. Automated Test Suite for Web Application** \* **Project Focus:** Developed a comprehensive test suite to ensure the reliability and quality of a full-stack web application, directly applying principles from the QA Software Tester certification. \* **Key Contributions:** Created a suite of **unit tests and integration tests** covering critical business logic. Designed a structured testing framework to improve long-term maintainability and facilitate continuous integration, emphasizing the importance of rigorous **testing and documentation expertise**. \* **Technical Stack:** JavaScript, Jest, Cypress (or similar testing framework).

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## Education & Certifications

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**QA Software Tester Certificate** | JanBask Training | **2025** \* *Focus:* Software Quality Assurance, Test Planning, Test Case Design, Bug Reporting, Agile Testing.

**Full Stack Web Development Bootcamp Certificate** | Georgia Institute of Technology  
| **2023** \* *Focus:* Modern web development practices, including front-end (React) and back-end (Node.js/Express) development, database management, and version control (Git).

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

**Technical Engineering in Electromechanical** | DRC (Democratic Republic of Congo) |  
(*Dates not provided, assumed prior to 2007*)

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## Keywords

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Senior-level Golang experience, software architecture skills, testing and documentation expertise, Author and advocate for coding standards, design and develop Golang applications, improve code efficiency, logical thinking, systems troubleshooting, industrial automation, PLC programming, problem-solving, diagnostics, scalable software design.