

VUSIMOZI SOLANI

SOFTWARE ENGINEER · DEVOPS ENGINEER · AI & CLOUD

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ABOUT ME

I am a curious and hands-on Software and DevOps Engineer who enjoys building systems that actually work in the real world not just in theory. My journey into tech has been driven by a genuine interest in how software, data, and infrastructure come together to solve meaningful problems.

Currently working at Standard Bank South Africa, I contribute to production systems by building observability dashboards, maintaining CI/CD pipelines, and supporting cloud-based operations on AWS. I have had the opportunity to work closely with live systems analysing logs, improving reliability, and helping teams move faster with confidence.

Beyond my day-to-day role, I actively explore artificial intelligence and modern software practices. I have built and deployed AI-integrated applications, worked with large language models, and continue to deepen my skills in cloud and data-driven systems.

I bring a balance of technical ability and curiosity. I learn quickly, ask the right questions, and take ownership of my work. I am especially motivated by environments where I can grow, contribute, and build technology that makes a real impact.

EDUCATION

Master of Commerce — Informatics & Information Systems North-West University, South Africa	<i>In Progress</i>
BCom Honours in Information Systems North-West University, South Africa	<i>2024</i>
BCom in Information Systems North-West University, South Africa	<i>2023</i>
National Senior Certificate (Matric)	<i>2020</i>

WORK EXPERIENCE

Software Engineer / DevOps Engineer Learnership Standard Bank South Africa	<i>Apr 2025 – Present</i> <i>Johannesburg, Gauteng</i>
- Built and maintained CI/CD pipelines using GitLab CI/CD and Harness, improving deployment consistency and reducing manual intervention. - Developed Splunk dashboards and alerts to monitor transactions, APIs, and system health, transforming raw logs into actionable insights. - Analysed logs and system metrics to support incident resolution, root cause analysis, and performance improvements. - Managed Docker containers and AWS ECR repositories during cloud migration processes. - Performed AWS operations including certificate lifecycle management using AWS ACM, CLI, and CloudShell. - Managed AWS DynamoDB records — updating service owner details and endpoint configurations to maintain accurate service registry data. - Identified and terminated expired EC2 snapshots and AWS Backup recovery points to reduce storage costs and maintain a clean cloud environment. - Integrated Jira into the CI/CD pipeline to automate ticket creation on deployment events, improving team visibility and traceability. - Tested and validated REST APIs using Postman to ensure reliable service integration. - Leveraged AI-powered developer tools (Amazon Q / Kiro CLI) to streamline workflows and improve productivity. - Improved and maintained technical documentation on Confluence, increasing clarity and team efficiency. - Collaborated in Agile/Scrum teams to troubleshoot issues and enhance system reliability. - Created runbooks and technical documentation to support operational consistency and knowledge sharing.	

Learnership Training: Completed structured classroom modules alongside practical work including Python automation (Selenium scripting), database design and SQL, systems design and UML modelling using Draw.io, project management fundamentals, and applied mathematics.

TECHNICAL PROJECTS

MediConnect SA | *HTML, CSS, JavaScript, Google Maps API, Groq AI (LLM)* | [medicare-f2dda.web.app](#)

- Built and deployed a web application that helps users locate nearby healthcare facilities across South Africa.
- Integrated Google Maps API for real-time geolocation, search, and routing functionality.
- Developed an AI chatbot using a Groq-powered LLM API to provide conversational assistance to users.
- Implemented full frontend logic using vanilla JavaScript, including dynamic UI updates and search handling.
- Deployed and managed the application using Firebase Hosting.

Full-Stack Web Applications Portfolio | *PHP, MySQL, HTML, CSS, JavaScript* | [muzidaniels.me](#)

- Developed multiple systems including visitor management, player registration, and student registration platforms.
- Designed and implemented relational databases with secure CRUD operations and authentication systems.
- Ensured responsive design and cross-device compatibility.
- Maintained applications with a focus on reliability, data integrity, and usability.

Local LLM Experimentation | *Ollama, LLaMA, Python*

- Ran and tested local large language models using Ollama to understand model performance and deployment trade-offs.
- Compared different LLaMA variants based on response quality, efficiency, and resource usage.
- Gained practical experience in local AI inference and model optimisation.

TECHNICAL SKILLS

Programming: Python, SQL, JavaScript, Java, PHP, C#, HTML, CSS

DevOps & CI/CD: GitLab CI/CD, Harness, Docker, Linux, Bash, Jira Pipeline Integration

Cloud: AWS (DynamoDB, ECR, ACM, EC2, Backup, CLI, CloudShell), Microsoft Azure (AZ-900, AI-900)

Data & Observability: Splunk, SQL, Data Analysis, Metrics Reporting, Log Analysis

AI & Machine Learning: LLM Integration (Groq), Ollama, Amazon Q / Kiro CLI, Generative AI, Prompt Engineering

APIs & Integration: REST APIs, Postman, API Monitoring

Systems Design: UML Diagrams, Use Cases, Draw.io, System Architecture

Database Design: MySQL, SQL, Schema Design, Normalisation, CRUD Operations

Web Development: HTML, CSS, JavaScript, PHP, MySQL, Firebase Hosting, Google Maps API

Tools & Collaboration: Git, GitHub, GitLab, Jira, Confluence, Draw.io, Agile/Scrum

Currently Learning: LangChain, RAG, Pandas, NumPy, TensorFlow

LANGUAGES

English	isiZulu	isiXhosa	Setswana
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CORE STRENGTHS

- Strong problem-solver with a practical, hands-on approach.
- Fast learner who adapts quickly to new tools and environments.
- Detail-oriented with a focus on quality and reliability.
- Self-driven and proactive in identifying and solving problems.
- Effective team collaborator across technical and non-technical teams.
- Naturally curious and continuously exploring new technologies.

CERTIFICATIONS

- Microsoft Certified: Azure AI Fundamentals (AI-900)** — Microsoft, Sep 2025
- Microsoft Certified: Azure Fundamentals (AZ-900)** — Microsoft, Jul 2025
- Postman API Fundamentals Student Expert** — Postman, Feb 2026
- Learning GitLab** — LinkedIn Learning, Sep 2025

- **What Is Generative AI?** — LinkedIn Learning, Apr 2025
- **Introduction to Cybersecurity** — Cisco Networking Academy, May 2025
- **Solving Problems with Critical and Creative Thinking** — IBM, Aug 2023
- **Responsive Web Design** — freeCodeCamp, Feb 2022

REFERENCES

Available upon request.