

MUKHETHWA RAVELE

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PROFESSIONAL SUMMARY

Software Engineering student at WeThinkCode with a minor in Cloud Computing, and a certified Full Stack AI Engineer through Zaio's bootcamp. Experienced in Python, Java, and JavaScript, with a foundation in data structures, algorithms, and object-oriented design principles. AWS Cloud Practitioner trained with hands on exposure to Kubernetes, cloud native architecture, and Microsoft Azure Fundamentals (AZ-900) certified. Currently building production software as an intern on Yoyo Rewards' engineering team, working in an agile, CI/CD driven environment and using AI powered developer tools to increase productivity. Motivated to bring strong ownership, a customer obsessed mindset, and a passion for scalable, distributed systems to Amazon's Software Development Engineer team in Cape Town.

EDUCATION

WeThinkCode, Cape Town, South Africa

Present – December 2026

Software Engineering, NQF 6 (In Progress) | Minor: Cloud Computing

- Maintaining a distinction-level academic average (84%+) throughout the diploma.
- Engineering/DevOps: Unit, Acceptance, and Integration Testing (JUnit), Test-Driven Development (TDD), Version Control (Git, GitHub, PGP), CI/CD build pipelines (GitHub Actions), Docker, Apache Maven, Client-Server Architecture (Sockets), Design Patterns, Coupling & Cohesion, Refactoring, Brownfield Development.
- Agile/Soft Skills: Teamwork & Collaboration, Agile practices (Stand-ups, Iteration Planning, Retrospectives), Pair Programming, Technical Documentation, Presentations (Pecha Kucha).

Zaio Technology (Online)

January 2026 – July 2026

Full Stack AI Engineer Bootcamp, NQF Level 4 Certificate (Complete)

- Built full-stack, AI-powered applications spanning front-end (HTML, CSS, JavaScript, React/Vite), back-end (Node.js, Express.js, MongoDB, Supabase) and AI engineering (Cursor, Claude Code, OpenAI, LangChain).
- Developed agentic workflows and LLM-integrated applications using N8N automation and memory-enabled agents, applying AI tools to boost development productivity.

University of Cape Town, Cape Town, South Africa

2016 – 2018

Bachelors in computer science, NQF 7 (Incomplete) | Minor: Information Systems

- Related Coursework: Object-Oriented Programming (Python, Java, C#), Data Structures and Algorithms, Big Data, Systems Analysis, Business Intelligence, Python, and MySQL.
- Agile/Soft Skills: Technical Systems Analysis, Peer Mentorship, Academic Collaboration, Cross-functional Communication, and Professional Report Writing.

Mbilwi Secondary School, Limpopo, South Africa

2015

National Senior Certificate, NQF 4 (Complete) | Minor: English, Tshivenda, Life Orientation

- Core Subjects: Mathematics, Physical Sciences, Life Sciences, Geography.
- Honours: Completed Matric with 4 Distinctions.

CERTIFICATES

- AWS Skills Center: Cloud Practitioner Essentials, AWS Cloud Basics (2026)
- AWS Introduction to Cloud Badge (2026)
- Kubernetes and Cloud Native Certificate (2026)
- Microsoft Azure Fundamentals, AZ-900 (2025)
- Harvard University, Programming with Python, CS50P (2025)
- FNB App Academy Full Stack Development Certificate (2025)
- Cisco Networking Academy Python Essentials (2025)

EXPERIENCE

Software Development Intern

Jan 2026 – Present

Yoyo Rewards, Cape Town, Western Cape

- Contribute to the design and development of scalable features on Yoyo's rewards and loyalty platform, writing clean, maintainable, production code alongside senior engineers.
- Participate in Agile ceremonies, including stand-ups, sprint planning, and code reviews, practicing CI/CD principles to deliver features collaboratively and to team quality standards.
- Assist in debugging, troubleshooting, and resolving issues across front-end and back-end components, contributing to the operational reliability of the platform.
- Gain hands-on exposure to API integration, cloud-based deployment workflows, and AI-powered developer tools in a production fintech environment.

SKILLS

- Programming Languages: Python, Java, JavaScript, TypeScript
- Computer Science Fundamentals: Data Structures, Algorithms, Object-Oriented Design Principles, Design Patterns.
- Cloud & DevOps: AWS (Cloud Practitioner fundamentals), Microsoft Azure, Kubernetes, Cloud-Native Architecture, Microservices, Docker, CI/CD (GitHub Actions).
- AI Engineering: Cursor, Claude Code, OpenAI, LangChain, N8N, Agentic Workflows, LLM Integration, GenAI Developer Productivity Tools.
- Full-Stack Development: React (Vite), Node.js, Express.js, MongoDB, Supabase, HTML, CSS, SASS.
- Databases: MySQL, SQLite, MongoDB, Supabase (SQL and NoSQL).
- Operating Systems: Linux, Bash/Shell Scripting, Windows.
- Developer Tools: Git, GitHub, Docker, Unit Testing (JUnit).

ACTIVITIES

- Placement Facilitator – WeThinkCode: Acted as a primary point of contact for students and industry partners, managing communication channels and facilitating the transition of technical talent into professional roles.
- Student Mentor – University of Cape Town Residence: Provided direct technical and academic support to peers, applying "Customer Obsession" by identifying student pain points and offering actionable solutions.
- Secretary – Student Representative Council (Grade 12): Managed organizational documentation and coordinated between student bodies and administration, developing professional report writing and communication skills required for global team collaboration.