

Mogau Mamangana Mothapo

Software Engineering Student | Cloud and AI Engineering

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Professional profile

Software engineering student and technical peer tutor at WeThinkCode_, developing skills in cloud and AI engineering. Azure Fundamentals certified, with AWS Educate and Gen AI training. Practical experience in Python automation, Java development and cloud service integration.

Technical skills

CLOUD AND DATA Azure, AWS fundamentals, Linux, Supabase, Cloudflare R2

PROGRAMMING Java, Python, TypeScript, JavaScript, SQL

APPLICATION DEVELOPMENT OOP, REST APIs, TCP sockets, React, Next.js

TESTING AND DELIVERY JUnit, Mockito, Git, Docker, GitHub Actions, GitLab CI/CD

Relevant experience

Technical Peer Tutor

WeThinkCode_ | Cape Town | 2025 - Present

- Support peers with Java OOP, SQL, Docker and testing through practical sessions, code reviews and individual debugging support.

Technical Project Lead

Freelance and independent projects | 2025 - Present

- Clarify requirements, plan milestones and deliver features iteratively; explain technical decisions and progress to clients.

Education

WeThinkCode_

Software engineering programme in progress | 2025 - Present | Cloud elective selection

University of Cape Town

BSc Chemical Engineering studies (incomplete) | 2022 - 2024

Projects and technical development

Selected projects

Healing Botanicals

Client e-commerce platform | April 2026 - Present | In development

- Developing a Next.js and TypeScript platform with product browsing, cart, checkout and account features.
- Integrated Supabase for data, Cloudflare R2 for assets and Resend for email.
- Configured Azure Maps address search and OIDC-based cloud access.

Robot Worlds

WeThinkCode_ team project | April - May 2026

- Led a team building a Java client-server application with TCP sockets, JSON commands and concurrent client handling.
- Increased automated test coverage from 26% to over 90%.
- Reduced average CI runtime from 5 to 3 minutes using caching, path filtering and a smaller image.

Python CLI automation

Independent project work | Python and Google APIs

- Built a command-line tool to automate repetitive administration and support developer workflows.

Certifications and relevant training

Microsoft Certified Azure Fundamentals

AZ-900 | Microsoft | September 2026

Gen AI Course for Software Engineers

WeThinkCode_ | April 2026

AWS Educate cloud training badges

Cloud 101, Compute, Networking and Storage | June - July 2026

KodeKloud Engineer

Docker Level 1 and Git Level 1 | June 2026