

Amohelang Mohlomi

Junior Software Engineer | Data Engineering Major

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Profile

Junior Software Engineer and Data Engineering major at WeThinkCode_, seeking **internship or junior software engineering opportunities**.

I have hands-on experience building **backend and data-driven applications**, working with **Python, SQL, C#, Java, REST APIs, and relational databases**. I enjoy solving problems, writing clean code, and learning by building real-world projects.

Through my roles as a **Technical Mentor and Bootcamp Assistant**, I have supported learners with debugging, problem-solving, and understanding core software development concepts. My background in **Human Resources Management** strengthens my communication skills and ability to work effectively in team-based environments. I am eager to grow as a software engineer and contribute to building reliable, scalable systems.

Education

09/2024 – Present **Diploma in Software Engineering (Data Engineering major)**
Johannesburg, South Africa
WeThinkCode_
Expected Graduation: August / September 2026

01/2023 – 06/2024 **N6 Human Resources Management**
Free State, South Africa *Maluti TVET College*

Professional Experience

09/2025 – Present **Technical Mentor**
Johannesburg, South Africa
WeThinkCode_
- Providing one-on-one technical mentorship to software engineering students
- Assisting with debugging, algorithmic thinking, and understanding programming concepts
- Reviewing code and providing structured feedback to improve code quality
- Supporting learners in developing confidence with software development fundamentals

03/2025 – Present **Workshop Coordinator**
Johannesburg, South Africa
WomenThinkCode, WeThinkCode_
- Coordinated and facilitated technical and career development workshops
- Managed speakers, learning resources, and logistics
- Ensured workshops aligned with organizational and participant learning goals

05/2025 – 08/2025 **Bootcamp Assistant**
Johannesburg, South Africa
WeThinkCode_
- Assisted bootcamp participants with technical setup and coding exercises
- Supported learners with troubleshooting and understanding development workflows
- Collaborated with instructors to ensure smooth technical delivery of the bootcamp

Skills

Programming Languages:

Python, SQL, C#, Java, TypeScript, JavaScript

Web & Backend:

Flask, REST APIs, HTML, CSS, .NET (basic)

Data & Databases:

PostgreSQL, SQLAlchemy (basic) , SQLite

Tools & Platforms:

Git, Docker, Jupyter Notebook, PowerBI

Languages

- English

- Sesotho

- Afrikaans

Certificates

- GenAI for Software Engineering - WeThinkCode_

- Microsoft AI Fluency - Microsoft

- AWS Educate Machine Learning Foundations - AWS Educate

- Python for Data Science - IBM

Projects

09/2025 – 10/2025

BudgetFlow

Smart personal budgeting web application for tracking expenses and managing monthly budgets.

Tech: Python, Flask, SQL, sqlite3, HTML, CSS

- Implemented category-based expense tracking and budget management
- Integrated AI-powered financial advice feature

08/2025 – 09/2025

InterviewAI

Interview preparation web application with voice and text input.

Tech: Python, Flask, sqlite3

- Designed database-driven question delivery system
- Implemented voice and text input handling
- Provided real-time feedback to users to improve interview responses

03/2025 – 09/2025

BrainBloom (Group Project)

AI-assisted study and collaboration platform.

Tech: Python, Flask, SQL

- Contributed to backend development and feature implementation
- Collaborated with team members using Git and Agile-style workflows

11/2025 – 12/2025

Crime Hotspots REST API

RESTful API for managing crime hotspot data.

Tech: Python, Flask, Connexion, SQLAlchemy, Swagger UI

- Designed REST endpoints for location-based crime data
- Implemented structured data models and validation

12/2025 – Present

AURA (in progress)

Tech: C#, .NET (Blazor), SheCodes AI API

- Developing a goal-achievement and self-care platform focused on accountability and emotional awareness
- Implementing structured routines and reflective user flows
- Integrating AI-powered guidance using external APIs
- Applying component-based UI design with Blazor

Additional projects available on GitHub, data-driven web applications, and full-stack projects.

References

References available upon request