

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 sys

Education

09/2024 – Present Johannesburg, South Africa	Diploma in Software Engineering (Data Engineering major) <i>WeThinkCode_</i> Expected Graduation: August / September 2026
01/2023 – 06/2024 Free State, South Africa	N6 Human Resources Management <i>Maluti TVET College</i>

Professional Experience

09/2025 – Present Johannesburg, South Africa	Technical Mentor <i>WeThinkCode_</i> <ul style="list-style-type: none">- 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 Johannesburg, South Africa	Workshop Coordinator <i>WomenThinkCode, WeThinkCode_</i> <ul style="list-style-type: none">- 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 Johannesburg, South Africa	Bootcamp Assistant <i>WeThinkCode_</i> <ul style="list-style-type: none">- 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_
- AWS Educate Machine Learning Foundations - AWS Educate
- Microsoft AI Fluency - Microsoft
- Python for Data Science - IBM

Projects

09/2025 – 10/2025	<p>BudgetFlow</p> <p>Smart personal budgeting web application for tracking expenses and managing monthly budgets.</p> <p>Tech: Python, Flask, SQL, sqlite3, HTML, CSS</p> <ul style="list-style-type: none">- Implemented category-based expense tracking and budget management- Integrated AI-powered financial advice feature
08/2025 – 09/2025	<p>IntervAI</p> <p>Interview preparation web application with voice and text input.</p> <p>Tech: Python, Flask, sqlite3</p> <ul style="list-style-type: none">- 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	<p>BrainBloom (Group Project)</p> <p>AI-assisted study and collaboration platform.</p> <p>Tech: Python, Flask, SQL</p> <ul style="list-style-type: none">- Contributed to backend development and feature implementation- Collaborated with team members using Git and Agile-style workflows
11/2025 – 12/2025	<p>Crime Hotspots REST API</p> <p>RESTful API for managing crime hotspot data.</p> <p>Tech: Python, Flask, Connexion, SQLAlchemy, Swagger UI</p> <ul style="list-style-type: none">- Designed REST endpoints for location-based crime data- Implemented structured data models and validation
12/2025 – Present	<p>AURA (in progress)</p> <p>Tech: C#, .NET (Blazor), SheCodes AI API</p> <ul style="list-style-type: none">- 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 <p>Additional projects available on GitHub, data-driven web applications, and full-stack projects.</p>

References

References available upon request