

# SHAMMAH ANGAYE

## Fullstack Engineer (Python / React)

Email: [shamzyiayy@gmail.com](mailto:shamzyiayy@gmail.com) | Phone: 08036745916

LinkedIn: <https://www.linkedin.com/in/shammah-angaye-26558a238>

GitHub: <https://github.com/JAH-SHAMMAH>

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## Professional Summary

Fullstack Engineer with 4+ years of hands-on experience building production-ready Python backends and React frontends. Strong expertise in FastAPI, asynchronous task processing, and scalable API design for AI-powered applications. Proven ability to translate complex Python logic and ML inference workflows into reliable, user-facing products. Highly autonomous, adaptable, and comfortable owning systems end-to-end in early-stage and fast-moving environments.

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## Technical Skills

Python, FastAPI, Django, REST APIs, Async Programming, Background Tasks, Celery, Redis, PostgreSQL, SQL, React, JavaScript, HTML, CSS, State Management, Real-Time UI Updates, OpenAI APIs, AI API Integration, LLM Workflows, Automation Pipelines, Secure API Design

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## Soft Skills

Excellent Communication Skills, Adaptability, Critical Thinking, Problem Solving, Teamwork, Multi-tasking, Solutions Oriented, Resilience, Willingness to Learn

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## Professional Experience

**Python Educator & AI Mentor — African Youth Architects (Remote, New York)**  
June 2025 – September 2025

- Built and facilitated an AI-powered mentor system hosted on ChatGPT to guide learners in Python, JavaScript, and Scratch.
  - Designed structured learning flows resembling agent-style AI guidance, improving learner outcomes.
  - Worked independently to research solutions, design workflows, and ship functional educational tools.
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### **Robotics & Python Facilitator — Fairview**

September 2024 – November 2025

- Delivered hands-on Python and robotics training focused on problem-solving and applied engineering concepts.
  - Helped students build practical projects, reinforcing real-world engineering thinking.
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### **Python Engineer — 360 Information Technology**

January 2022 – February 2023

- Designed and maintained scalable backend services using Python and Django, supporting 200+ active users.
- Built and optimized RESTful APIs consumed by web and mobile applications, improving response time by ~40%.
- Converted heavy data-processing scripts into reusable backend services suitable for production workloads.
- Implemented background job processing and asynchronous workflows to handle long-running tasks without blocking user requests.
- Collaborated with cross-functional teams to deploy containerized microservices using Docker and Kubernetes.
- Created automated data pipelines and ETL workflows for analytics and reporting.
- Led debugging and on-call support for production systems, ensuring high reliability.

- Mentored junior engineers on Python best practices, clean architecture, and API design.
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## Education

### Advanced Diploma in Software Engineering

Aptech Computer Education

### Diploma in Software Engineering

AltSchool Africa

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## Selected Projects

### SCHOOL ERP SYSTEM

- Designed and developed a secure, full-stack School ERP system managing students, teachers, parents, and administrators.
  - Built with Python (FastAPI) and PostgreSQL, with a responsive frontend using HTML, CSS, and JavaScript.
  - Implemented role-based access control and centralized school administration.
  - Integrated AI-driven analytics to track school store performance and generate actionable recommendations for business improvement.
  - <https://github.com/JAH-SHAMMAH/SCHOOL-ERP-SOFTWARE>
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### Secure Blog API

- Designed and built a secure, production-grade API using FastAPI.
  - <https://github.com/JAH-SHAMMAH/BLOG-API->
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