

SHAMMAH ANGAYE

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Professional Summary

Accomplished software developer with 5+ years of experience specializing in Python, FastAPI, and machine learning. Possesses advanced diplomas from Aptech Computer Education (Meridian Technologies) and AltSchool Africa, emphasizing practical and intensive software engineering training. Proven record of delivering impactful projects including AI-powered educational programs, robust backend solutions, and engaging applications. Demonstrates exceptional problem-solving, creativity, resilience, and team collaboration.

Technical Skills

Python, C#, C++, SQL, React, JavaScript, CSS, HTML, Machine Learning, FastAPI, Django and Flask, Web Development, API Development, API Integration, Robotics.

Soft Skills

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

Professional Experience

Python Educator & AI Mentor at African Youth Architects, New York - June 2025: Facilitated an AI-mentor project hosted on ChatGPT as a new GPT that aids with learning Python, JavaScript and Scratch. This empowered young Africans globally, providing mentorship and structured

guidance. I managed and instructed students effectively, enhancing their technical skills significantly.

Robotics and Python Facilitator at Fairview School – September 2024:

Delivered comprehensive robotics and Python programming courses, fostered students' problem-solving capabilities and technical proficiency through hands-on projects.

Curriculum and School Evaluator at Afrisage – June 2023: Evaluated secondary school curriculum and operations against British education standards and provided comprehensive recommendations improving educational quality and alignment.

Python Engineer at 360 Information Technology – January 2020

Developed and maintained backend services using Python and Django framework, supporting over 900 active users. Built RESTful APIs for mobile and web applications, improving response times by 40% through database query optimization. Implemented automated testing suites using pytest, increasing code coverage from 60% to 85%. Collaborated with cross-functional teams to design and deploy microservices architecture using Docker and Kubernetes. Created data processing pipelines with pandas and Apache Airflow to handle daily ETL operations for business analytics. Debugged production issues and provided on-call support for critical systems. Mentored junior developers on Python best practices and code review standards.

Education

Advanced Diploma in Software Engineering

Aptech Computer Education

Diploma in Software Engineering

AltSchool Africa

Projects

RAUTER Taxi App: Developed backend infrastructure using FastAPI, optimizing performance and user experience.

Scissor URL Shortener: Created a scalable URL shortener using FastAPI, HTML, CSS, and JavaScript.

AI-Mentor API & Blog API: Engineered robust and very secure APIs enhancing functionality and efficiency for end users.

Airline Reservation System: A Python-based application that allows users to search for flights, book tickets, and manage reservations. The system includes features for flight scheduling, seat selection, passenger information management, and booking confirmations. Built using Python with PSQL to store flight details, customer data, and booking records. Includes user authentication, payment processing integration, and generates e-tickets. Admins can add/update flights, manage pricing, and view booking reports.