DAVID .K. DANSO

API Developer

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SUMMARY

Python-focused backend developer with 4 years building and operating REST and FastAPI services for web and mobile clients. Practical experience in API design, auth (role-based and token workflows), DB schema design, containerized deployments, and CI/CD — focused on reliable, documented, and maintainable backends that scale.

CORE SKILLS

Python	Flask	FASTAPI	PostgreSQL	REST
AWS Lambda	API Gateway	Docker	GraphQL	
Postman	OAuth2	JWT	Swagger / OpenAPI	
Kubernetes	Agile	Serverless	Microservices	Git
AWS	Docker			

EXPERIENCE

Python Django Developer

Self Employed

📅 01/2024 - Present 📍 Accra, Ghana

- Engineered REST and GraphQL APIs for client apps, implementing authentication, role-based permissions, and token security (OAuth2, JWT).
- Dockerized backend services and automated CI/CD pipelines via GitHub Actions, cutting deployment effort by 40%.
- Monitored and optimized query performance, reducing API latency by 35% through indexing and caching (Redis).
- Authored OpenAPI documentation and ensured full endpoint coverage for frontend and mobile teams.

Python Django Developer

PiB Knowledge

📅 03/2022 - 09/2022 📍 Accra, Ghana

- Developed internal REST APIs to support learning platform analytics and reporting for 1,000+ users.
- Improved system efficiency by {30%} by integrating third-party payments and authentication services.
- Implemented asynchronous task queues (Celery) to handle heavy data processing workloads efficiently.
- Collaborated with DevOps to containerize deployments and streamline version control workflows.

Full Stack Developer

Millennial Digital Concepts

📅 01/2019 - 08/2021 📍 Accra, Ghana

- Built Django REST backends integrated with React and Tailwind frontends for marketing automation tools.
- Designed database schemas and deployed APIs on AWS EC2 instances using Docker and NGINX.
- Improved deployment cycle by **30%** through automation scripts and CI/CD integration.

KEY ACHIEVEMENTS

💎 **Optimized API Performance**
Cut API response times by 30% with query optimization and caching layers.

💎 **Streamlined Deployments**
Reduced deployment cycle times by 40% using Docker and automated scripts.

💎 **Scaled E-Learning Backend**
Delivered Django REST services supporting 1,000+ active learners, improving data reporting pipelines.

💎 **End-to-End Delivery**
Built and shipped multiple full-stack web apps from requirements gathering to deployment, consistently meeting client deadlines.

PROJECTS

Memento Vault

- Built a secure media management API (Django + PostgreSQL) with JWT authentication and resigned URL uploads. Improved media retrieval time by 40% with query optimization.

AI-Assisted Reddit Scraper

- FastAPI microservice that scrapes and exposes Reddit data via REST endpoints for downstream analytics. Supports pagination, rate-limit handling, and real-time monitoring.

Django Image Upload API

- Improved file storage security by {30%} by implementing role-based access and signed URL generation for REST API.

EDUCATION

Diploma in Information Technology

Ghana Communication Technology University (GCTU)

📍 Accra, Ghana