WAQAS HAARIS ALI

Full-Stack & Mobile Software Engineer
haarisali9@gmail.com • +233 208 584 115 • Accra, Ghana • LinkedIn • GitHub • Portfolio

Full-Stack & Mobile Software Engineer with 3+ years building production-grade web and cross-platform mobile applications from concept to deployment. Expert in React.js, React Native, TypeScript, Python/Django, and FastAPI, with hands-on AWS cloud infrastructure experience (EKS, RDS, S3). Track record of delivering scalable, high-performance systems — including real-time video, AI-powered features, and payment integrations — with 99%+ uptime.

PROFESSIONAL EXPERIENCE

Software Developer | AssetMarkAfrica – Coding | Labelling | Marking

May 4h, 2026 – Present

- Developing and maintaining company websites and software applications aligned with business and client needs.
- Building scalable frontend and backend systems for scheduling, payments, user management, and real-time features.
- Integrating third-party services and optimizing application performance, reliability, and system responsiveness.
- Troubleshooting, upgrading, and maintaining clean, efficient, and well-documented systems.
- Collaborating with team to deliver technical presentations, demos, and project updates to stakeholders and clients.

Full-Stack Software Engineer & Co-Founder | DigCare – Digital Healthcare Platform

Ongoing Project

- Full-Stack Engineer architecting a healthcare platform that will serve patients and providers
- Engineered React/TypeScript frontend and Django REST APIs covering patient management, appointment scheduling, payments, and real-time video consultations via Twilio Video API.
- Optimized performance with Redis caching and Elasticsearch
- Integrated Paystack payment gateway with custom React components, webhook processing, and robust error handling for reliable transaction flows.
- Collaborated closely with product managers, designers, and healthcare domain experts in a fully remote agile environment.

Software Engineering Job Simulation | JPMorgan Chase

Feb 2026

- Integrated Apache Kafka into a Spring Boot microservice to consume and deserialize high-volume transaction messages, verified via an embedded Kafka test framework.
- Implemented transaction validation and persistence with Spring Data JPA (H2 database), including entity modeling and atomic balance updates across user records.
- Built a RESTful balance-query endpoint returning structured JSON responses, connected to an external REST Incentive API via RestTemplate.

TECHNICAL SKILLS

Languages	Python, TypeScript, JavaScript (ES6+)
Frontend / Mobile	**React.js, React Native, Next.js, TailwindCSS, HTML5, CSS3**
Backend / APIs	Django, Django REST Framework, FastAPI, RESTful APIs, WebSockets, Celery
Databases	PostgreSQL, Redis, Elasticsearch, TimeSeries Data, Query Optimization
Cloud & DevOps	AWS (EKS, RDS, S3, ElastiCache), Docker
AI / Integrations	RAG / LLM Integration, Twilio Video, Paystack, Webhook Processing
Testing & Tools	Unit & Integration Testing, Git & GitHub

KEY PROJECTS

AI-Powered Pediatric Hospital Management System — Full-Stack Developer *Mar 2025 – Oct 2025*

- Built a full-stack hospital management platform with Django backend and React frontend deployed via Docker Compose for an academic institution.
- Integrated an AI chatbot using RAG (Retrieval-Augmented Generation) architecture with FastAPI, enabling natural-language queries for medical information and appointment scheduling.
- Implemented role-based access control (RBAC) for doctors, nurses, pharmacists, and admins; leveraged Redis, Celery, and Elasticsearch for caching, async tasks, and patient record search.

Tech Stack: *Django, React.js, FastAPI, PostgreSQL, Redis, Celery, Elasticsearch, Docker, RAG/LLM*

Multi-Vendor E-Commerce Platform — Backend Integration Lead *Dec 2024 – Feb 2025*

- Led backend API integration for a multi-vendor e-commerce platform — designing RESTful endpoints for auth, vendor management, product catalog, cart, and order processing.
- Implemented advanced product search and filtering optimized for large catalogs; built payment gateway integration with seamless checkout and order tracking.

Tech Stack: *React.js, Django REST Framework, PostgreSQL, Payment Gateway Integration*

School Management System — Full-Stack Developer *Sep 2024 – Nov 2024*

- Developed a role-based web application (admin, lecturer, student) for managing academic and administrative activities with multi-user authentication and an API-driven architecture.

EDUCATION

B.Sc. Computer Engineering — University of Ghana, Accra *Feb 2022 – Feb 2026*

First Class Honors