FREDERICK ATINKINE ATASINA

Cloud & Software Engineer | Accra, Ghana

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PROFESSIONAL SUMMARY

Analytical and disciplined Cloud & Software Engineer with a Bachelor of Science in Mathematics and hands-on expertise in full-stack development and cloud infrastructure. Applies structured problem-solving to build secure, scalable mobile and web applications. Experienced in architecting production-grade SaaS solutions, optimizing application performance, and managing cloud environments using AWS and Linux.

TECHNICAL SKILLS

Cloud Infrastructure: AWS (EC2, S3, IAM, VPC, Route 53), CloudWatch, Supabase (BaaS)

Systems & DevOps: Linux (Ubuntu, Amazon Linux), Nginx, PM2, Bash, SSL/TLS, APK Optimization

Software Development: React Native (Expo), Next.js, React.js, Node.js, Python, PostgreSQL, SQL

Tools: Git, GitHub, VS Code, CI/CD Pipelines

Core Competencies: Analytical Thinking, Database Design, System Security, Mobile Architecture

PROJECT EXPERIENCE

SmartSchool Manager – Mobile SaaS Platform   *Jan 2026 – Present*
Tech Stack: React Native, Expo, Supabase, PostgreSQL

- Developed a comprehensive school management mobile application enabling role-based access for School Admins, Teachers, and Parents.

- Engineered a secure backend using Supabase (PostgreSQL) to handle complex relationships between students, fees, and academic results.

- Implemented the Hermes engine and advanced asset compression techniques, optimizing the final APK size for efficient distribution in low-bandwidth areas.

- Designed a user-friendly billing system, fees management, attendance, report cards, timetable, etc, and academic grading module with custom error handling to improve user experience.

Cloud Infrastructure Portfolio Deployment   *Dec 2025*
Tech Stack: AWS, Linux, Next.js, Tailwind CSS, Nginx

- Architected and deployed a personal portfolio website on AWS EC2 (Amazon Linux 2023).

- Configured swap space and optimized Node.js memory limits to ensure stable application builds.

- Implemented Nginx as a reverse proxy with SSL/TLS encryption for secure traffic management.

- Set up automated zero-downtime deployments using Git and PM2 to maintain high availability.

PROFESSIONAL EXPERIENCE

Societe Generale Ghana – Sales & Operations Support *2023 – 2024*

- Delivered first-line technical support for digital banking access, troubleshooting user issues.

- Conducted strict KYC validation to ensure regulatory compliance and data security.

- Managed inventory systems and optimized stock workflows using data analysis techniques.

EDUCATION

AWS re/Start Program – AmaliTech, Ghana *2025*
Training in Linux, Python, Networking, Security, and relational & non-relational databases. Hands-on labs using AWS core services.

Bachelor of Science in Mathematics – University of Mines and Technology (UMaT), Ghana *2023*

CERTIFICATIONS

AWS Certified Cloud Practitioner *May 2025*