

KWABENA BOAKYE

Full-Stack Engineer (Frontend Specialist)

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SKILLS

- Next.js | React | TypeScript | JavaScript | Tailwind CSS | shadcn/ui | WCAG/WAI-ARIA compliance
- Node.js | Prisma | Firebase | Flask | PostgreSQL | MongoDB | Flutterflow
- Git | GitHub Actions | Vitest | AWS services | Vercel | Prompt engineering | Prompt tuning

EXPERIENCE

Software Development National Service Personnel (NSP) [Private Software Development Sector](#) Kumasi, Ghana **10/2025 - Present**

- Build production-level web applications using Next.js, React, TypeScript, Tailwind CSS, and Prisma.
- Set up automated testing with Vitest and CI/CD pipelines via GitHub Actions.
- Optimize frontend components for rendering speed and WCAG/WAI-ARIA accessibility compliance.

Software Engineering Intern [Hapaspace Innovation Hub](#) Danyame, Ghana **05/2024 - 12/2024**

- Developed Garagesales, a C2C e-commerce mobile app, using Flutterflow and Firebase.
- Implemented escrow payment processing and webhook handling via the Paystack API.

Grant and Proposal Intern [Hapaspace Innovation Hub](#) Danyame, Ghana **07/2022 - 10/2022**

- Conducted market research to support development grant applications for local SMEs.
- Drafted technical proposals and funding applications for local businesses.

EDUCATION

Bachelor of Technology (BTech) [Kumasi Technical University \(KsTU\)](#) Kumasi, Ghana, **Graduated 2025**

- Major in Computer Technology.

PROJECTS

- **Worqbe:** Administrative and management web application for Enterprise Support Organizations, focused on low-latency data presentation and modular UI workflows. (Next.js, React, TypeScript, Tailwind CSS, shadcn/ui)
- **Congregation Cleaning Rotation System (PWA):** Progressive web app built with clean-architecture layering; includes a deterministic scheduling engine (getSchedule) computing weekly assignments across rotating A/B groups with automated forward-offset handling for special events. (Next.js, TypeScript, Tailwind CSS, shadcn/ui)
- **ImgKmprssr (Image Compressor):** Web utility for client-side image compression to reduce load times and storage use; migrated compression processing from backend to client-side. (Next.js, Flask, TypeScript, Tailwind CSS)
- **CediCampus:** Completed application (docs branch); ongoing changes are minor/maintenance-level. (Next.js)
- **Garagesales:** C2C e-commerce mobile app connecting local buyers and sellers with escrow payment processing. (Flutterflow, Firebase, Paystack) — 10/2024
- **Mayeso:** Responsive frontend for an EdTech platform, including modular layout compositions and performance-optimized UI components. (React, TypeScript/Vite, Tailwind CSS) — 12/2023
- **Space Tourism Multipage Website:** React, Tailwind CSS
- **Multi-step Form:** React, TypeScript (Vite), Tailwind CSS

CERTIFICATIONS

- **AWS Certified Cloud Practitioner:** Amazon Web Services. Issued July 2025, valid until July 2028. [Verify](#)
- **ALX Software Engineering Program:** Cohort 13, Remote. Issued March 2024. [Verify](#)