

Edem Agbakpe

Software Engineer

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Summary

Full-stack & mobile software engineer with 3–4 years of experience shipping production products across web, iOS and Android. Led development on Spacia, a multi-platform workspace marketplace, and The Trust Hospital's patient app used across multiple branches, plus logistics/e-commerce and SaaS tools at SaharaGo and in personal projects. Core stack: React/Next.js, Node.js and Flutter, with experience in AWS, PostgreSQL and CI/CD, and growing focus on AI-powered products (e.g. Nuance, an AI playlist generator).

Experience

Lucid Array — Software Engineer

09/2023 – Present | Accra, Ghana

- Led front-end development for Spacia's workspace marketplace across web and mobile (iOS & Android), building booking, search and profile experiences for freelancers, teams and enterprise customers.
- Implemented a granular role and permissions system across Spacia's web and mobile clients, supporting 7+ user types (individuals, hosts, enterprise admins, team members, etc.) and improving access control and UX.
- Worked across the full booking journey (authentication, payments, location search, calendar, notifications) with a focus on performance, error handling and a smooth user experience.
- Developed a scalable Flutter mobile app for The Trust Hospital's network of branches, integrating with a Java Spring Boot backend to digitise patient flows and appointment booking.
- Implemented calendar and scheduling features (availability, filtering, sorting, booking management) for Trust's mobile and companion web experiences, ensuring accessibility considerations (A11y) in key patient journeys.
- Designed and implemented the Lucid Array marketing site, focusing on clear messaging and a lightweight, modern UI for the company's AI and software offerings.
- Tech:** React, Next.js, Flutter, JavaScript/TypeScript, REST APIs, Paystack, Google Maps API, TestFlight, Java Spring Boot (integration), Git.

SaharaGo — Software Engineer I

12/2021 – 12/2022 | Remote

- Built and maintained a logistics/e-commerce platform using React and Node.js/Express, contributing to stable ordering and delivery experiences.
- Automated key parts of the delivery pipeline (end-to-end tests, build and deployment), reducing manual release work and improving deployment time by roughly 40%.
- Tech:** React, Next.js, Flutter, Node.js, Express, Prisma, AWS (Cognito, Amplify, SES, S3), PostgreSQL, Git, CI/CD, Scrum.

Global Integrated Technologies — Junior Web Developer

08/2020 – 12/2020 | Accra, Ghana

- Started professional front-end development using Angular and Flutter, with a small team to build company web and mobile apps.
- Implemented responsive UI components and layouts, gaining experience with modern web fundamentals and team workflows.

Selected Projects

Spacia – Work, Stay, Play (Production) | 2025 – Present

Workspace marketplace product with web and mobile clients for individuals, teams and enterprise customers. Live on web, iOS and Android. Built major parts of the front-end and mobile clients (search, booking, profiles, role-based experiences) and collaborated with designers and backend engineers from MVP through multiple production releases.

Nuance – AI Contextual Music Platform | 2024 – 2026

<https://nuance-music-web.vercel.app> | <https://github.com/TuneDropLab/nuance>

- Cross-platform music application (Web, iOS, Android) that translates human moods, aesthetics, and camera photos into curated soundscapes using Google Gemini LLM and multimodal vision.
- Engineered multimodal "Vibe Cam" feature extracting scene lighting, mood, and palette from photos into music recommendations with dynamic ambient glassmorphic UI.
- Architected a zero-friction dual session system: instant guest listening with local caching + Google OAuth 2.0 cloud sync backed by PostgreSQL and Prisma.
- Tech:** Flutter, Dart, Riverpod, Node.js, Express, PostgreSQL, Prisma, Google Gemini AI, OAuth 2.0, iTunes API, Vercel.

The Trust Hospital – Patient App (Production) | 2024

Flutter app providing mobile access to hospital services and appointment flows for a network of branches. Implemented patient onboarding, authentication, appointment scheduling and calendar/availability features, plus robust error handling for core patient journeys.

Open-Source Developer Tooling & Additional Projects

- lucid_array_dart_generator (Published on pub.dev):** Open-source CLI & AST code generator that parses OpenAPI 3.0 / Swagger specifications into type-safe, namespaced Dart DTOs and API clients.
- Requisition – Enterprise B2B Procurement SaaS:** Full-stack procurement and multi-step approval workflow platform built with Next.js, TypeScript, Prisma, PostgreSQL, and Playwright E2E testing.

Skills

Languages: JavaScript, TypeScript, Dart, HTML, CSS, Python • **Web:** React, Next.js, Node.js, Express, REST APIs

Mobile: Flutter (Android & iOS), native Android concepts • **Data & Infra:** PostgreSQL, Prisma, Firebase, AWS (Cognito, Amplify, SES, S3), CI/CD, Git, Vercel

AI & Platforms: Integrating LLM & multimodal services (Google Gemini) into production apps; OpenAPI code generation

Education

BSc (Hons) Computing Science — Upper Second Class (2:1), Coventry University

2018 – 2022 | University Reference: 9114935 | Key Modules: Real World Project (73%), Hi-Tech Entrepreneurship (72%), Logic and Sets (70%), Open-Source Development (67%), Computer Architecture & Networks (67%)