Ganiyat Yakub

SOFTWARE ENGINEER

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PROFESSIONAL SUMMARY

Full-stack engineer with 7 years building end-to-end web applications in React, TypeScript and Next.js on the frontend and Node.js, Express.js, Java, Spring Boot and Python on the backend. I design and build complete features, from database schemas and RESTful APIs to performant, accessible user interfaces, and I specialize in data-heavy systems, real-time features with WebSockets, and distributed, offline-first synchronization. On a national health platform used across 180+ sites with 2M+ records, I built both backend services and frontend UI and cut response times by around 70%. An open-source contributor, effective in remote, globally distributed teams.

TECHNICAL SKILLS

Languages	JavaScript, TypeScript, Java, Python, SQL
Frontend	React, Next.js, Redux Toolkit, modern CSS/Sass, reusable component libraries, responsive & accessible UI
Backend & APIs	Node.js, Express.js, Spring Boot, RESTful APIs, authentication & sessions, service design
Databases	PostgreSQL, SQL, schema design, query optimization & indexing
Real-time & Architecture	WebSockets, real-time updates, distributed / offline-first sync, data synchronization
Performance	Rendering & query optimization, code splitting, lazy loading, caching, large-dataset performance
Testing & Quality	Jest, React Testing Library, Cypress, clean, modular & well-tested code
Tools & Collaboration	Git / GitHub, open-source contribution, CI/CD, Docker, Figma, Agile / Scrum

PROFESSIONAL EXPERIENCE

Full-Stack Engineer
Oct 2023 – Sept 2026

LAMISPlus EMR · Data.FI Project (Palladium) · Open-source national health platform

- Built backend services and RESTful APIs with Java and Spring Boot, and the frontend in React and Next.js, for LAMISPlus, an open-source national electronic medical records platform (public on GitHub) used across 180+ facility sites with 2M+ records.
- Designed and optimized PostgreSQL schemas and queries for large-scale patient data, cutting server response times by around 70% through indexing, query tuning and efficient data access.
- Architected a distributed, offline-first synchronization system: facilities capture data locally while offline, sync to a central repository where data is validated and cleaned, which then syncs onward to the national data repository (NDR).
- Implemented real-time communication with WebSockets for a live patient-flow system, so updates propagate instantly across units (reception, triage, doctor) without reloading the page.
- Managed application state with Redux Toolkit and built reusable components and a design system adopted across 10+ engineering teams, cutting development time by 40%.
- Provided production support across deployments, reducing reporting issues from around 65% of cases to around 2%.

Full-Stack Developer
Aug 2022 – Oct 2023

Admoni Inc · Advertising Technology

- Built backend services and RESTful APIs with Node.js, Express.js and Python for a data-driven advertising platform serving 100,000+ active users.
- Developed data-processing scripts in Python and an analytics-driven admin dashboard with data visualizations that raised conversion rates from 20% to 80%.
- Built a reusable React component library that accelerated feature delivery across teams by 85%, and modernized a large legacy JavaScript codebase into React + TypeScript, cutting time-to-interactive by 50% through route-based code splitting.

Full-Stack Developer & Team Lead
Jul 2022 – Aug 2022

Calmglobal Infotech Ltd · Social Platform

- Built backend services and APIs with Node.js and Java for a social networking application with family-tree and family-history features, and led a 10-person team on architecture and engineering best practices.
- Championed TypeScript adoption across the codebase, reducing runtime errors by 80%, and implemented production observability and monitoring.

Frontend Developer

Jul 2021 – Dec 2021

Akl Solution (E-School) · Educational Technology

- Built a report-card templating system adopted by 500+ schools, and developed and maintained 20+ school web platforms, supporting an increase in student admissions from 40% to 80%.
- Delivered 15+ web applications following best practices, with responsive layouts and reusable components across projects.

Full-Stack Developer

Jan 2020 – May 2021

Grapevine Innovate Ltd

- Built RESTful APIs and a digital wallet service with Node.js and Express.js, implementing core transaction and account logic, with Python for backend scripting and data processing.
- Developed responsive React frontends with reusable UI components, and migrated a legacy React codebase to a modern React/TypeScript architecture, improving Lighthouse performance scores by 40 points and reaching 75% test coverage.

EDUCATION

MSc, Information Management · Ahmadu Bello University, Zaria — Jan 2025 – Dec 2025

BSc (Ed), Chemistry · University of Ilorin — Oct 2015 – Oct 2019

CERTIFICATIONS

JavaScript Algorithms and Data Structures · freeCodeCamp

The Complete SQL Bootcamp · Udemy

Unlocking DHIS2's API · BAO Systems

Responsive Web Design · freeCodeCamp