



PROSPER MAWUNYA NUDEKOR

Software Engineer | Full Stack Developer | Mobile Application Developer

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PROFESSIONAL SUMMARY

Results-driven Software Engineer with hands-on experience designing, building, and shipping scalable web and mobile applications across the modern JavaScript and TypeScript ecosystems. Proficient in React, Next.js, React Native, Node.js, Express.js, PostgreSQL, and Supabase, with a strong command of REST API design, authentication and authorization architecture, and role-based access control (RBAC). Proven ability to deliver full-stack, production-ready platforms end to end — from database schema design to responsive, high-performance user interfaces. Currently supporting enterprise information systems within Ghana's national digital identity infrastructure at the National Identification Authority. Passionate about secure, user-centric software that solves real-world problems, and seeking opportunities in software engineering, full-stack development, and advanced graduate study.

CORE TECHNICAL SKILLS

Programming Languages: JavaScript (ES6+), TypeScript, HTML5, CSS3, Java

Frontend Engineering: React, Next.js, React Native, Expo, Tailwind CSS, ShadCN UI, Responsive Design, SEO Optimization

Backend Engineering: Node.js, Express.js, REST API Design & Integration

Databases & Platforms: PostgreSQL, Supabase (Auth, Storage, Realtime), Relational Database Design & Normalization

Security & Architecture: Authentication & Authorization, Role-Based Access Control (RBAC), Session Management, Cookie Management

Tools & Workflow: Git, GitHub, Postman, VS Code, npm, pnpm, Agile Development

PROFESSIONAL EXPERIENCE

National Identification Authority (NIA) | Accra, Ghana

November 2025 – Present

Software & Information Systems

- Support and maintain enterprise information systems underpinning Ghana's national digital identity programme, contributing to the reliability of services used by millions of registered citizens nationwide.
- Participate in digital identity and information management workflows, ensuring data integrity and operational continuity across identity registration and issuance processes.
- Troubleshoot and resolve software, application, and system-level issues, helping shorten incident resolution times and minimize service disruption for field and back-office operations.
- Collaborate with cross-functional technical teams to streamline internal processes, identifying automation opportunities that improve day-to-day operational efficiency.

- Assist in software maintenance, patching, and technical support activities across mission-critical government systems.

Jumia Ghana | Accra, Ghana

June 2025 – October 2025

Purchase & Supply Department — Operations Support

- Supported end-to-end procurement operations for one of Africa's leading e-commerce platforms, coordinating purchase requests, supplier follow-ups, and order documentation.
- Assisted inventory management processes, maintaining accurate stock records and reducing discrepancies through consistent digital record-keeping.
- Worked daily with digital operational and ERP-style systems, applying a technology-first mindset to logistics and supply-chain tasks.
- Improved workflow efficiency by introducing technology-driven processes, including structured spreadsheets and digital tracking that reduced manual effort in routine reporting.

University of Ghana — ICT Directorate | Accra, Ghana

August 2024 – September 2024

System Development Intern

- Assisted software development projects for institutional systems serving one of West Africa's largest universities.
- Supported testing and debugging activities across web-based applications, logging defects and verifying fixes ahead of release.
- Participated in system maintenance and routine updates, gaining exposure to production support in a live enterprise environment.
- Collaborated with development teams on institutional software solutions, following structured development and version-control workflows.

SELECTED PROJECTS

Enterprise Internal Management System (TIMS)

Next.js • React • Node.js • PostgreSQL • Supabase

- Engineered a full-stack enterprise management platform with secure authentication, authorization, and finegrained role-based access control across multiple user tiers.
- Built an administrative dashboard with analytics and reporting features, giving managers real-time visibility into organizational operations.
- Designed and normalized the PostgreSQL database architecture to support scalable, relational data across departments and workflows.

GemNex Platform

Next.js • PostgreSQL • Supabase

- Developed a multi-module organizational platform integrating six core workflows: volunteer management, mentorship applications, partnership management, donations, surveys, and dynamic content administration.
- Implemented dynamic content administration tooling that lets non-technical staff update platform content without developer intervention.

Digital Balloting System

React • Express.js • PostgreSQL

- Built a secure digital selection platform featuring authentication, user verification, and a transparent, auditable balloting process.
- Designed the system to eliminate manual balloting errors and strengthen trust through verifiable digital records.

Laundry Management Platform

Next.js • Express.js • PostgreSQL

- Created a customer order management system with administrative controls and end-to-end service workflow management, from order intake to fulfilment.

Attendance Management System

Java • JavaFX

- Developed a desktop application with user authentication, attendance tracking, and reporting features for structured record-keeping.

Professional Portfolio Website

Next.js • React • Tailwind CSS

- Designed and shipped a modern, SEO-optimized personal site with interactive animations and fully responsive layouts across devices.

EDUCATION

Accra Technical University | Accra, Ghana

Graduate 2025

Higher National Diploma(HND), Computer Science

- Relevant coursework: Software Engineering, Database Systems, Web Technologies, Object-Oriented Programming, Data Structures & Algorithms, Systems Analysis & Design.

LANGUAGES

English — Full Professional Proficiency

Ewe — Native Proficiency

Twi — Native Proficiency

REFERENCE

Will be Provided on demand