

ISMAIL HAMMAD ADEKOLA

Software Engineer | Full-Stack Developer

 Ilorin, Nigeria
 Portfolio

 hammadismail1546@gmail.com
 [GitHub](#)

 [LinkedIn](#)

PROFESSIONAL SUMMARY

Results-driven Software Engineer with strong experience designing and building scalable, business-critical web applications, including ERP systems, accounting platforms, messaging infrastructure, and e-commerce solutions. Proven expertise in NestJS, Next.js, React, GraphQL, MongoDB, PostgreSQL, and cloud-native architectures. Experienced in complex business logic, RBAC systems, payment integrations, and high-reliability workflows. Adept at translating real-world operational problems into robust, maintainable software solutions.

TECHNICAL SKILLS

Languages	JavaScript (ES6+), TypeScript
Frontend	React, Next.js, Tailwind CSS, Redux
Backend	Node.js, NestJS, GraphQL (Apollo), REST APIs
Databases	MongoDB, PostgreSQL, Supabase
Architecture	RBAC (CASL), Redis, BullMQ, Microservices, Monorepos
Integrations	Paystack, Razorpay, SenangPay, Billplz, SEO Optimization
Cloud & DevOps	AWS S3, Docker, Firebase, Supabase Edge Functions, Vercel
Other	Security, PWA, Event-Driven Systems, Financial Systems, ERP Design

SOFT SKILLS

Problem-Solving	Analytical thinking, debugging complex systems, resolving business-critical issues
Communication	Clear explanation of technical concepts to technical and non-technical stakeholders
Systems Thinking	Understanding interactions between frontend, backend, databases, queues, and integrations
Collaboration	Cross-functional teamwork with product, design, QA, and business teams
Adaptability	Rapid learning of new tools, frameworks, and architectural patterns
Attention to Detail	Precision in data handling, security, financial transactions, and access control
Ownership	End-to-end responsibility for features from design to deployment
Time Management	Prioritization, meeting deadlines, and managing multiple tasks effectively

PROFESSIONAL EXPERIENCE

Software Engineer

Async Techs Technology Limited

Worked on multiple enterprise-grade platforms spanning ERP, accounting, CRM, and messaging infrastructure. Collaborated closely with product owners to automate complex operational workflows and replace manual business processes.

KEY PROJECTS:

MS Gold – ERP & E-Commerce Platform (Jewelry Retail)

Company Project – Async Techs Technology Limited

A comprehensive ERP and e-commerce platform tailored for the jewelry industry, centralizing inventory, savings schemes, payments, and customer engagement.

Highlights:

- Architected a full-stack system using NestJS, GraphQL, MongoDB, Next.js, and Tailwind CSS
- Built a granular RBAC permission engine with CASL, supporting module-level actions and admin bypass logic
- Implemented complex gold savings and wallet systems, including fixed/unfixed payment plans
- Integrated WhatsApp, SMS, and Email notifications with automated reminders
- Connected multiple payment gateways (SenangPay, Razorpay, Billplz)
- Designed event-driven workflows using Redis & BullMQ
- Automated retail workflows from estimate to order, reducing manual overhead and improving customer engagement

ZynCount – Cloud-Based ERP & Accounting Platform

Company Project – Async Techs Technology Limited

A full-scale ERP and accounting solution supporting multi-company operations, financial reporting, and inventory workflows.

Highlights:

- Built a double-entry accounting engine with real-time P&L and balance sheet generation
- Designed a modular monorepo architecture using NestJS, Next.js, GraphQL, and TypeScript
- Implemented multi-currency transactions and fiscal year closing logic
- Developed inventory and supply chain modules (Quotations, Requisitions, BOM, Stock Adjustments)
- Created approval pipelines for document lifecycle management
- Enforced strict data isolation and transactional integrity across subsidiaries

ZyncDM – Omnichannel Messaging & CRM Infrastructure

Company Project – Async Techs Technology Limited

A centralized platform for managing and synchronizing business communication across multiple messaging channels.

Highlights:

- Unified WhatsApp, Facebook Meta, and SMS messaging into a single CRM system
- Implemented real-time synchronization using GraphQL Subscriptions and Redis
- Built a multi-organization RBAC system using CASL
- Integrated AWS S3 for media storage, Firebase/OneSignal for notifications, and Razorpay for payments
- Automated data workflows and external data extraction using Puppeteer

YS Success (ShopWithYSS) – E-Commerce Platform

Personal Project | <https://shopwithyss.com>

A full-stack e-commerce application for electronics and gadgets, featuring customer-facing storefront and an administrative dashboard.

Highlights:

- Built with React, TypeScript, Tailwind CSS, and Supabase
- Implemented full shopping flow: product browsing, cart, checkout, and order tracking
- Integrated Paystack with secure server-side payment verification
- Developed admin dashboard with product, order, and user management
- Implemented PostgreSQL-level role-based access control
- Added PWA support for offline-capable mobile experience
- Deployed on Vercel with Supabase Edge Functions for backend automation

EDUCATION

Bachelor of Science (Education) – Electrical & Electronics Technology

University of Ilorin (UNILORIN)

Bachelor of Science – Computer Science

University of the People (UoPeople)

CERTIFICATIONS

- Software Engineering – PLP Academy
- Internet / Cyber Security – AptLearn
- Web Development – SoloLearn
- Responsive Web Design – FreeCodeCamp
- React + Redux – FreeCodeCamp
- JavaScript – FreeCodeCamp / HackerRank