

QUAYYUM ARIYO

Backend Software Engineer | Java • Go • Node.js • Python •
NestJS • REST APIs • Distributed Systems

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PROFESSIONAL SUMMARY

Backend Software Engineer with experience building secure, database-driven applications using Java, Spring Boot, Node.js, NestJS, PostgreSQL, and MongoDB. Skilled in designing RESTful APIs, implementing authentication and authorization systems, integrating third-party services, and developing scalable backend architectures. Experienced with CI/CD, test-driven development, database optimization, and software engineering best practices. Passionate about building reliable systems that prioritize performance, maintainability, and security.

WORK EXPERIENCE

Founder & Software Engineer, *Splitcore*

09/2026

Financial infrastructure for entertainment payments, starting with digital tipping for Nigerian nightlife venues

Lagos, Nigeria

- **Architected** and built a NestJS/PostgreSQL backend implementing a double-entry ledger, idempotent webhook processing, and role-based access control, designed around financial-correctness guarantees for splitting a single payment across multiple recipients in real time
- **Designed** the payout and compliance architecture around Paystack's Transfers and Identity Verification APIs — including BVN/NIN-based KYC flow design and CAC/NDPC regulatory groundwork ahead of launch
- **Deployed** and operate production infrastructure on Render with Supabase (PostgreSQL) and Upstash (Redis), including GitHub Actions CI/CD, Sentry error monitoring, rate limiting, and Swagger-documented REST APIs
- **Led** commercial strategy and go-to-market: designed a transaction-based revenue-split model and conducted direct founder-level outreach to Lagos nightlife venues for pilot partnerships
- **Directed** product naming and brand identity strategy, including competitive/trademark-conflict research

Founder & Full-Stack Engineer, *Papyr*

08/2026

A handwriting-first digital ledger app helping Nigerian small businesses and product sellers keep records the way they already do — on paper — while digitizing the data behind it

Lagos, Nigeria

- **Architected** and built a Next.js 14 (App Router)/TypeScript frontend on Supabase (PostgreSQL, Auth), centered on a three-layer canvas ledger workspace (paper, grid, and ink layers) for a natural handwriting-first data entry experience
- **Designed** and implemented handwriting-to-text recognition tuned for the entry patterns of Nigerian small-business ledgers, including names and product listings
- **Owned** the full product lifecycle from concept through iteration, driving debugging and reliability work across canvas rendering, recognition accuracy, and UI state (cell highlighting, date handling)

- **Conducted** ongoing strategic evaluation of product-market fit and roadmap direction for underserved Nigerian small-business record-keeping workflows

Software Engineer, Olakz Logistics

10/2025 – 05/2026

Lagos

- Led the full mobile frontend build of Olakz, a complex, high-traffic super-app with 10+ services including Ride, Marketplace, Food, Auto Wash/Mechanic, Spare Parts, Airtime/Data, and Transport Hire.
- Designed the application architecture, UI system, and navigation structure from the ground up.
- Implemented API integrations, map features, authentication flows, and global state management to support a seamless cross-platform mobile experience.
- Improved speed, reliability, and maintainability through component reusability, code optimization, and strict Git workflows.
- Partnered with backend engineering to refine endpoints, improve performance, and ensure a seamless user experience.

Stack: React Native, TypeScript, Redux Toolkit/Zustand, React Navigation, Axios, Git, Google Maps/AirMap SDK, REST APIs

Backend Engineer, KonfirmTech Africa

2025 – 12/2025

Lagos

- Contributed to backend API development supporting property listing, user management, and location-based search functionality.
- Designed efficient database interactions and query structures for property and geolocation data retrieval.
- Collaborated on application architecture decisions focused on scalability, maintainability, and security.
- Assisted in developing secure backend services supporting user profiles, authentication, and property management workflows.
- Participated in code reviews, sprint planning, and agile delivery processes to maintain engineering quality standards.

Stack: React, Next.js, TypeScript, Node.js, Express/NestJS, PostgreSQL, Google Maps API / Mapbox, Tailwind CSS, Git.

Software Engineer, Semicolon Africa

2024 – 2025

Yaba, Lagos, Nigeria

- **Lite Bank Platform:** Designed and implemented secure RESTful APIs supporting core banking workflows using Node.js, NestJS, and PostgreSQL.
- **Developed** role-based access control mechanisms and authentication flows to secure customer and administrative operations.
- **Optimized** database queries and data access patterns, improving application performance and maintainability.
- **Applied** test-driven development practices and CI/CD workflows to improve deployment reliability and software quality.
- **Collaborated** on backend architecture decisions to support scalable and extensible financial services functionality.

Tech Stack: Node.js, NestJS, Java (Spring Boot), Python (Flask/Django), React, Next.js, PostgreSQL, MongoDB, Docker, CI/CD, Paystack API, Twilio, Git, JWT Authentication, Unit/Integration Testing.

EDUCATION

Software Engineering Training, Semicolon Africa

2024 – 2025

National Diploma in Computer Science, Yaba College of Technology

2019 – 2022

TECHNICAL SKILLS

Backend

Node.js (NestJS) | Java (Spring Boot) | Python (Flask/Django) | REST APIs | JWT Authentication | PostgreSQL | MongoDB

Tools

Docker | Git | GitHub Actions | Postman | JIRA

Architecture & Systems

Microservices | Distributed Systems | Clean Architecture | Hexagonal Architecture | CI/CD | Test-Driven Development

Frontend

React | Next.js | React Native | TypeScript

PROJECTS

InvestNaija, *Nigerian Fintech Platform*, <https://web-production-c9eeb.up.railway.app>

- Designed and developed a fintech platform offering core banking, investments, and crypto trading.
- Led frontend development with React & TypeScript, integrating Node.js APIs.
- Optimized security and scalability, supporting 500+ simulated users.

Certificates

Electronic Arts Software

Engineering virtual experience program on Forage - September 2025

- Proposed a new feature for the EA Sports College Football and wrote a Feature Proposal describing it to other stakeholders.
- Built a class diagram and created a header file in C++ with class definitions for each object.
- Patched a bugfix and optimized the EA Sports College Football codebase by implementing an improved data structure.