

# Jesus Akanle

## Software Engineer

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Portfolio: <https://dotan.dev>

LinkedIn: <https://www.linkedin.com/in/jeesus>

Github: <https://github.com/dotandev>

Individual Projects: [My Projects](#)

Volunteering: [My Volunteering Experience](#)

### SKILLS AND TECHNOLOGIES

Git/Github, NodeJs, Typescript, Golang, Rust, Python, Java, NextJs, Express Js, Prisma, GraphQL, and Firebase

### Projects:

Github - <https://github.com/dotandev?tab=repositories>

Portfolio - <https://www.dotan.dev/projects>

Documentations - [docu](#)

### EXPERIENCE

Software Engineer - **Biyard Inc - Contract**

[Feb. 2025 – April. 2025] *Remote , Korea*

- **Engineered backend architectures** for four production-grade projects—**Ratela, Dagit, Incheon Heroes**, and **Voice Korea**—using **Axum (Rust)**, with clean REST and WebSocket interfaces integrated into **Dioxus** frontends.
- **Implemented complex relational data models** using advanced PostgreSQL libraries built by biyard to handle multi-tenant user workflows, property hierarchies, and access control across authenticated and unauthenticated sessions.
- **Integrated AWS services** (S3, RDS, Lambda, CloudFront) into backend infrastructure, ensuring scalable, cloud-native deployments with minimal latency and high availability.
- **Integration of Kaia Wallet into Incheon Heroes**, managing secure blockchain identity verification and transaction workflows via custom middleware on the Axum backend.
- **Designed graph-based backend algorithms** using a flexible `[key]:[value]` logic engine to scale content models dynamically, particularly in Ratela's support pipelines.
- **Developed internal APIs** and modular service layers in Axum to unify frontend/backend integration, maintain data integrity, and expose reusable business logic across services.
- **Built performance-focused backend test suites** (e.g., for **Voice Korea**) using **Playwright** and custom benchmarking tools, ensuring endpoint responsiveness under high concurrency loads.
- **Orchestrated CI/CD pipelines** with **GitHub Actions**, deploying to **AWS**, automating tests, builds, and rollbacks with a **85%+ success rate** across all environments.

Software Engineer - **FeedXPay - A Fintech Startup**

[Aug. 2023 - Jan 2024] *Lagos , Nigeria*

- Led backend architecture for wallet and payment services, handling over **₦50M+ in transactions** and serving **1,000+ beta users** with **93% accuracy** in reconciliation.
- Integrated with **MAPLERAD** and **Risevest** APIs to automate KYC and settlement flows, reducing onboarding time from **48 hours to under 10 minutes**.
- Deployed a **Redis-backed** microservices system that improved job throughput by **60%** and reduced downtime due to race conditions by **~80%**.
- Designed REST APIs in **Express + TypeScript**, enabling real-time analytics on user spend patterns, contributing to a **25% increase in transaction frequency**.
- Modeled hybrid data schemas with **MongoDB and PostgreSQL**, processing **30K+ financial events/day** with optimized indexing strategies to maintain sub-100ms response times.

- Adopted test-driven development and implemented CI pipelines via **GitHub Actions**, improving issue detection by **50%** and reducing post-deployment bugs by **70%**.

Software Engineer - **Tribal Prints (Internship) - Printing As A Service** [Oct. 2023 - Dec. 2023] *Lagos , Nigeria*

- Built and maintained backend infrastructure using **NestJS + TypeScript**, automating over **300+ print order processes**, and cutting invoice generation errors by **90%**.
- Worked in an agile team of 4 engineers to deliver production-ready apps within **3-month sprint cycles**, achieving **95% sprint goal completion rate**.
- Developed secure APIs to manage cart state and order flow, increasing customer checkout success rate by **35%**.
- Integrated financial APIs for payment verification and automated payouts, reducing manual reconciliation time from **2 hours to <10 minutes/day**.
- Designed efficient DB schemas with **Sequelize + PostgreSQL**, reducing N+1 query issues.
- Introduced CI pipelines and pre-merge testing, accelerating QA cycles by **30%** and reducing failed deployments by **~50%**.

Software Engineer - **PeerHub - SAAS Startup** [Aug. 2023 - Oct. 2023] *Lagos , Nigeria*

- Designed and deployed scalable backend services for multi-tenant SaaS platforms, supporting **3+ client applications** with **satisfactory uptime** over 2 months.
- Developed custom middleware for API orchestration across services, improving internal request handling speed by **40%**.
- Collaborated with DevOps and frontend teams to ship user auth systems, reducing customer onboarding time by **25%**, and improving session reliability across devices.
- Built validated internal APIs handling **20K+ monthly requests**, backed by **MongoDB + PostgreSQL**, with clean schema abstraction for long-term maintainability.
- Led unit test coverage efforts (80%+ for key modules) and GitHub Actions CI/CD setup, reducing manual QA cycles by **60%** and improving deployment speed from **2 hours to 20 minutes**.

## EDUCATION

Miva University, *B.Sc. Computer Science* [Jun. 2025 - Present]