Yusuf Afolabi

⊙ Nigeria ✉ yusufafolabi95@gmail.com ☐ +234 708 022 6169 in in/yusuf-afolabi-ba3461145 ⊙ github.com/Dev-folabi

SUMMARY

Backend Engineer with expertise in building scalable and high-performance applications using Node.js, Express, NestJS, and MongoDB/PostgreSQL. Proficient in designing and optimizing RESTful APIs, implementing secure authentication (JWT, OAuth), and integrating third-party services. Skilled in performance optimization, caching (Redis), and database query tuning to handle high-traffic applications. Experienced in cloud deployments, CI/CD automation, and leading backend projects to successful completion

PROJECT

Backend Engineer

Xedla Technology – Fintech Payment Platform • www.xedla.com • August 2024 - December 2025

• Architected and built core backend services for a fintech payment platform, supporting secure digital transactions and account-based workflows.
• Designed and implemented payment, user account, and transaction APIs, including support for escrow flows and pending balances.
• Implemented tier-based transaction limits and verification logic, significantly reducing fraud and abuse across the platform.
• Integrated account provisioning and retrieval into the signup flow, streamlining onboarding and reducing user drop-off.
• Optimized MongoDB data models and queries, improving transaction throughput and reducing latency under peak traffic.
• Contributed to CI/CD pipelines, automating testing and deployments to improve release reliability and speed.
• Strengthened platform security with JWT-based authentication, rate limiting, and strict input validation.
• Collaborated closely with frontend engineers to deliver stable, well-documented APIs, minimizing integration friction.

Backend Engineer

Nesterlify - Travel, Booking & Payments Platform • www.nesterlify.com • January 2025 - September 2025

• Built and optimized backend services for a crypto-powered booking platform, supporting flights, car rentals, and vacation packages.
• Designed and implemented RESTful APIs for booking creation, payment processing, and transaction lifecycle tracking.
• Integrated multiple cryptocurrency payment gateways (Binance Pay, GatePay, NowPayments), including secure payment flow handling.
• Implemented webhook-based payment confirmations to enable real-time transaction updates and reduce payment verification delays.
• Improved system performance using Redis caching for frequently accessed data and optimized database access patterns.
• Designed efficient MongoDB schemas and indexing strategies to support transactional workloads at scale.
• Strengthened backend security with JWT authentication, role-based access control, and API rate limiting.
• Deployed and managed backend services in a production cloud environment, ensuring reliability and consistency.

Backend Engineer

Cabty - Ride-Hailing App • cabty.net • April 2025 - June 2025

• Built and deployed core backend systems for a production ride-hailing application available on Android and iOS.
• Designed and implemented a group ride matching engine, pairing riders dynamically based on geolocation and time constraints.
• Developed background processing services to handle near real-time ride matching and request grouping.
• Implemented transactional ride scheduling, ensuring atomic updates across bookings, seat allocation, and group creation.
• Built a driver assignment system based on availability, verification status, and recent activity to prevent overbooking and ensure fairness.
• Designed automated ride confirmation workflows, including QR-based verification, to streamline onboarding and reduce operational overhead.

Full-Stack Engineer

Edustack NG - EdTech SaaS • www.edustack.com.ng • August 2023 - June 2025
- Led development of core backend systems for a multi-tenant school management SaaS, handling authentication, role-based access control, academic records, and tenant-aware data models.
- Designed and implemented RESTful APIs using Node.js, TypeScript, and Express, serving administrators, educators, and students across multiple schools.
- Built and optimized PostgreSQL relational data models, ensuring data integrity, performance, and scalability as platform usage grew.
- Developed frontend features with Next.js, working closely with backend services to deliver cohesive, product-driven workflows.

Technical Lead

DeclutMart – Online Marketplace for Pre-Owned Items • www.declutmart.com • December 2024 - October 2025
- Built and optimized backend architecture for an online marketplace supporting user accounts, product listings, and order workflows.
- Designed and implemented RESTful APIs for authentication, catalog management, and order processing.
- Integrated secure payment gateways, improving checkout reliability and transaction success.
- Improved performance and scalability through caching strategies and optimized database access patterns.
- Strengthened platform security using JWT authentication, role-based access control, and API rate limiting.
- Collaborated closely with frontend engineers to deliver stable, well-aligned backend APIs.

SKILLS

Languages: JavaScript, TypeScript
Backend Frameworks: Node.js, Express.js, NestJS
Databases: PostgreSQL, MongoDB
ORM / Data Access: Prisma, Mongoose
Caching & Messaging: Redis
Real-Time Systems: Socket.IO
Tools: Git, GitHub

Cloud & DevOps
- **Cloud Platforms:** DigitalOcean, AWS (EC2-level)
- **Containerization:** Docker
- **CI/CD:** GitHub Actions
- **Web Servers & Networking:** Nginx
- **Databases (Managed):** MongoDB Atlas, PostgreSQL
- **Monitoring & Ops:** Log inspection, process monitoring, deployment automation

Collaboration and Communication: Git, GitHub, Swagger, Postman, Slack, Jira, Trello, Notion

---

EDUCATION

Bachelor of Science in Education Technology

Minor in Instructional Design • University of Ilorin • Ilorin, Nigeria • 2023

INVOLVEMENT

Technical Team Member

University of Ilorin • Google Developer Student Club • July 2023 -August 2024
- Co-organized and led workshops on frontend/backend development, cloud computing, and machine learning, benefiting over 200+ students.
- Coordinated community projects, including hackathons and boosting participant engagement.
- Developed and presented advanced technical content, improving the skills of over 100 club members.