

Olaoluwa Ajibade Olunowo

laoluajibadee@gmail.com | +2347064693238 | [Github](#) | Lagos, NG | [Website](#)

SUMMARY

Backend engineer with 5+ years of experience building and maintaining web applications, payment systems, and backend services. I have worked extensively with Node.js, PostgreSQL, AWS, and third-party APIs, with particular experience in payment processing, subscriptions, transaction handling, and integrations.

I've worked on systems handling millions of dollars in payment transactions and have dealt with the practical problems that come with them, including failed payments, duplicate transactions, webhook issues, refunds, and reconciliation. I enjoy taking ownership of backend systems, improving existing architecture, and building reliable solutions around real business requirements.

SKILLS

Languages: TypeScript, JavaScript, Go, Python, Java

Backend: Node.js, NestJS, Express.js

Databases: PostgreSQL, MySQL, MongoDB, DynamoDB

Infrastructure: AWS, Docker, Redis, SQS, CI/CD

Other: Prisma, Sequelize, Jest, WebSockets, REST APIs, Swagger, Postman

EXPERIENCE

Backend Developer

LunixPOS - Brooklyn, New York, USA (Remote) Dec 2024 – Present

- Own the backend payment flow, subscription pricing, bonus, and referral systems for an e-commerce platform used by hundreds of users.
- Work on payment flows processing millions of dollars, including payment confirmation, failed payments, refunds, duplicate transactions, webhook handling, and reconciliation.
- Managed and significantly improved an existing PostgreSQL database structure as the platform and its business requirements evolved.
- Built background jobs and queue-based processes for tasks that do not need to run as part of the main request.
- Integrated third-party tax services with the order and payment system, ensuring tax information is correctly associated with orders.
- Designed and maintained Stripe payment flows, including payment status tracking and webhook processing.
- Built the referral and bonus system that automatically handles rewards based on successful referrals.
- Added safeguards to prevent users from receiving duplicate referral credits when events are retried or processed more than once.
- Worked on replacing Shopify for a Lunix project, helping reduce monthly software costs by thousands of dollars while giving the team more control over the platform.

- Work with a 20 person engineering team and contribute to backend architecture, database changes, integrations, and production issues.
- Deploy and maintain backend applications using a Platform-as-a-Service (PaaS) environment.

Backend Engineer - Contract

Accessa Gym Management & Billing Platform Jan 2026 – Present

- Major backend developer for a six-person team building the platform from the ground up.
- Designed the backend architecture, database structure, APIs, and core business logic from scratch.
- Built payment flows using Monnify and POS/Terminal payments for subscriptions, renewals, and other customer payments.
- Designed the subscription system to handle payment confirmation, renewals, failed payments, reconciliation, and membership access.
- Built webhook processing for payment events and added protection against duplicate events and duplicate transactions.
- Built a location-based gym check-in system using PostgreSQL and PostGIS.
- Implemented custom location logic using latitude and longitude to determine nearby gyms and support member check-ins.
- Designed the backend to connect payment status with membership access, allowing the system to determine whether a member should have access based on their subscription.

Node.js Backend Developer

Cloudenly - Lagos, Nigeria (Remote) Feb 2023 – Oct 2025

- Worked on four backend services covering payments, approvals, performance, notifications, and HR management.
- Built and maintained Node.js backend services supporting more than 1,000 users.
- Used Redis to cache frequently requested data and reduce unnecessary database queries.
- Worked with messaging queues for background and asynchronous processing.
- Deployed and maintained backend services on AWS, working with EC2, RDS, MongoDB, and other AWS services.
- Built notification and email services using Socket.IO and AWS SES.
- Managed database transactions and migrations using Sequelize, MongoDB, and DynamoDB.
- Worked closely with product and engineering teams to turn business requirements into backend features.

Full-Stack Developer

Carrot Credit - Lagos, Nigeria Sep 2022 – Feb 2023

- Developed features for a fintech loan application using React and Node.js.
- Integrated third-party financial APIs, including Binance and Trove.
- Created a backend testing strategy using Jest to improve confidence when making changes to the application.
- Improved CI/CD workflows for React and Node.js applications using GitHub Actions.

Backend Developer / IT Support

Longbridge Technologies - Lagos, Nigeria Feb 2022 – Aug 2022

- Supported and maintained core banking applications.
- Developed and improved features using Java, Spring Boot, and Play Framework.
- Worked with SOAP APIs and integrated external services into existing applications.
- Improved API and developer documentation using SwaggerHub, Postman, and README documentation.
- Investigated and resolved application issues alongside other engineering teams.

Node.js Developer

Lanepact Apprenticeship - Lagos, Nigeria Jul 2021 – Jan 2022

- Built backend applications for education and finance-related projects using Node.js.
- Implemented authentication and authorization using Passport and JWT.
- Designed and documented APIs using Swagger and Postman.

Lead Backend Developer

Zuri Team - Remote Feb 2021 – Jul 2021

- Led a team of four backend developers building the HelperNG platform for connecting NGOs and volunteers.
- Designed database models, schemas, API validation, and backend services.
- Worked with Node.js, MongoDB, AWS, and GitHub Actions.

OPEN SOURCE

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EDUCATION

BSc, Computing / Computer Science

Lagos State University, Nigeria

HND, Mechanical Engineering

Lagos State Polytechnic, Nigeria

CERTIFICATION

2022 - Full Stack Engineer

Udacity Nanodegree Programme