

# Majiri Eyowel

Backend Engineer

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## Summary

**Languages** • Nodejs • PHP • Javascript • Typescript • Swift • Elixir • HTML/CSS

**Frameworks** • Laravel • Nodejs • Express • Nestjs • Vue.js • Phoenix

**Database** • PostgreSQL • Redis • Memcached • MongoDB • My SQL • SQLite

**Technologies** • Docker • Gitlab • Github • AWS Services • RabbitMQ • Xcode • Rest API • GraphQL

## Education

**University of Port-Harcourt**

BSc.ED Physics

Second Class Upper

**Nigeria**

2011 - 2016

## Work Experience

**Uniswitch Technologies Limited**

Senior Backend Engineer

**Lagos Nigeria (Hybrid)**

02/2023 - Present

- Developed and optimized a PCI DSS-compliant microservice backend for card payment processing with robust security measures, including data encryption and secure API gateways, to ensure compliance and protect sensitive cardholder data.
- Designed and engineered an advanced transaction switching algorithm to dynamically route transactions between banks based on card brand, cost, and availability, significantly enhancing reliability and cost-efficiency.
- Achieved a 4% reduction in transaction processing times by optimizing database queries, implementing Redis caching, and refining API integrations with third-party services.
- Integrated third-party fraud detection tools with machine learning algorithms and rule-based systems to identify and prevent fraudulent activities, reducing fraud incidents by 5%.

**Afara Partners**

Backend Engineer

**Lagos Nigeria (Hybrid)**

11/2020 - 02/2023

- Developed and managed a human resource management service, focusing on the payroll module. Engineered and monitored background processes for bulk disbursements, efficiently handling approximately 580,000 payroll transactions monthly.
- Designed and developed a high-volume job-seeking portal. Utilized AWS S3 for scalable and secure storage and implemented cron jobs to track application progress from submission to hiring or drop-off.
- Implemented a system leveraging the Unstructured Supplementary Service Data (USSD) protocol, enabling users to remit their pension from their mobile phones without requiring internet connectivity.

**Exolve Technologies**

Fullstack Web Developer

**Lagos Nigeria (Onsite)**

04/2018 - 11/2020

- Collaborated with stakeholders to gather and analyze business requirements for a loan management system.
- Designed a loan system architecture using object-oriented design principles and best practices like Factory and strategy patterns to ensure scalability, maintainability, and flexibility.
- Implemented interest calculation strategies (simple and compound) using the Strategy Pattern, making the system flexible by encapsulating the algorithms within separate, interchangeable classes.

**Exolve Technologies**

Intern

**Lagos Nigeria (Onsite)**

10/2017 - 04/2018

- Developed full-stack web applications from the ground up, utilizing web technologies.
- Contributed to designing and developing intuitive administrative dashboards using Bootstrap, and HTML/CSS to give insights on internal services.
- Automated Testing and Documenting APIs for web services using Postman and Gitbook.

## Projects

**RIDEPAY** (Facilitating Transportation Payments)

Backend Engineer

<https://ridepay.ng>

Laravel, Swift, MySQL, Redis, Aws, Xcode

- Designed and developed a payment solution using WebSocket technology and an integrated wallet system to enable swift transactions between drivers and passengers, reducing payment exchange time to under 20 seconds and lowering costs.

**Meristem Orientation For Rising Entrepreneurs (MORE)**

Backend Engineer

<https://more.meristemng.com>

Nodejs, MongoDB, Redis, Aws

- Contributed in the capacity of the lead engineer to the development of an e-learning portal for Equipping young potential investors and entrepreneurs with knowledge and skills to practice their enterprise.

**SPENDA** (Expense Tracking via Whatsapp Chat)

Backend Engineer

<https://spenda.ng>

Laravel, Vue3, Redis, Postgres, Heroku

- Designed and developed an expense tracking solution that allows users to conveniently track their expenses directly from their WhatsApp chat. Features include logging expenses, generating summaries, and sending alerts.