

# OLATUNJI ROKEEB OLANREWAJU

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## BACKEND ENGINEER

Versatile and highly skilled Backend Engineer with background in creating and executing innovative backend solutions to enhance business productivity. Experienced in aspects of programming, web application development, software development lifecycle and end-to-end project management, from concept to development and delivery. Skilled at collaboration and coordinating cross-functional teams.

**Technical Skills:** HTML5, JavaScript, Nodejs, ExpressJs, NestJs, TypeScript, PHP, Laravel, Spring Boot, Git, MongoDB, MySQL, PostgreSQL, Prisma, TypeORM, VueJs, AWS, Linux

## PROFESSIONAL EXPERIENCE

**Backend Engineer | SavetoBuy Nigeria. (Remote).** September 2024 - Present

Stacks: Typescript, Nodejs, NestJs, PostgreSQL, Prisma, Redis, BullMQ, Docker, AWS, Strapi, Retool.

Played a key role in the maintenance of a savings application with over 5000 users. My responsibilities encompassed various aspects of backend development, ensuring the seamless integration of features such as savings, donation, marketplace, and overall user experience.

### Key Duties and Responsibilities

- Built and maintained scalable backend services for a savings and investment platform with 5,000+ active users, ensuring reliability, performance, and security across all modules.
- Developed a feature allowing external donations to user savings plans, expanding the platform's use cases and user engagement.
- Designed and optimized RESTful APIs using NestJS and Express, supporting features such as automated interest computation, donations, and marketplace interactions.
- Implemented and maintained database schemas in PostgreSQL using Prisma, ensuring efficient data storage and retrieval.
- Developed scheduled jobs and background workers (BullMQ) to automate daily interest calculations, notifications, and system processes.
- Integrated the backend with external services (payment gateways, notification systems) to extend platform functionality.
- Collaborated closely with frontend teams to ensure smooth API consumption and consistent data flow.
- Deployed and monitored backend services on AWS (ECS, ECR, VPC, ElastiCache), improving system reliability and deployment efficiency.

**Backend Engineer (Contract) | Televerse LLC, Nigeria. (Remote).** January 2024 - September 2024

Stacks: Typescript, NodeJs, NestJs, MongoDB, GraphQL, RabbitMQ, Redis, BullMQ, Docker, AWS

Delivered a robust backend for a social platform that gives users full control over their data, along with features for creators to engage and earn. Developed secure messaging and conferencing capabilities with advanced management tools.

### Key Duties and Responsibilities

- Built backend features for a large social platform, working with a team of 5 developers to design and implement modular APIs using NestJS.
- Designed and optimized database models and schemas in MongoDB, reducing retrieval time by 30%.
- Integrated backend services with external APIs and microservices using RabbitMQ for event-driven communication.
- Assisted with testing, debugging, and performance improvements across multiple microservices.
- Deployed backend components on AWS and contributed to CI/CD pipelines to ensure smooth delivery.

**Software Developer | SaverTech Limited, Ibadan, Nigeria.** March 2022 – January 2024

Stacks: PHP, CSS, HTML, JavaScript, Nodejs, Typescript, VueJs, MySQL, Flutter, AWS

Software developer in a small team responsible for developing, managing and servicing innovative software solutions. Design and develop applications with focus on simplicity, reliability, manageability, scalability, and performance.

### Key Duties and Responsibilities

- Developed clean, maintainable backend services and REST APIs for multiple web and mobile applications.
- Collaborated with customer-facing roles to gather requirements, demo work, test new features, and obtain feedback
- Reduced search page response time by 30% through database query optimization and caching techniques, enhancing user experience and search accuracy.
- Led a small development team to deliver a proptech platform, coordinating code standards, version control, and releases.
- Successfully implemented a new payment gateway that improved the checkout experience for customers and increased conversion rates by 15%.
- Proficient in various backend technologies including PHP, MySQL, JavaScript, Nodejs, Express, Typescript Vue.js demonstrated through diverse project involvement.
- Defined product requirements, created high-level architectural specifications, and collaborated effectively with QA, product design, and other engineers throughout the development lifecycle of GateNG, an estate management system.

- Implemented messaging platform integration (SMS and email services) for Multi-Factor Authentication (MFA) token generation and delivery, enhancing authentication processes.

**Information and Digital Technology Intern | British American Tobacco Ibadan, Nigeria.      September 2019 - February 2020**

Provision of IT Technical Support to end users, applied technical skills to improve operational efficiency, enhance network security, and contribute to the overall reliability of the IT infrastructure.

**Key Duties and Responsibilities**

- Successfully automated IT asset inventory and deployment using Microsoft PowerApps, eliminating the need for manual tracking and reducing stress by 100%.
- Implemented a network segmentation scheme utilizing VLANs, firewalls, and VPNs, which significantly enhanced security by limiting malware spread and mitigating the impact of network attacks.
- Reduced system failure rate by 50% through proactive monitoring, diagnosis, and resolution of system problems, network connectivity issues, and hardware failures.
- Collaborated effectively with plant personnel, vendors, and contractors to troubleshoot and resolve connectivity problems in daily operations.

**PROJECTS**

SavetoBuy (NodeJS/Nestjs, TypeScript, PostgreSQL, AWS).

A savings and financial management platform with over 5,000 active users, enabling goal-based savings, donations, and marketplace interactions. I maintained and enhanced backend systems by automating daily interest calculations, setting up cron jobs for notifications, and developing external donation features for savings plans. I also collaborated with frontend teams for seamless integration and managed AWS deployments to ensure reliability and performance.

Research Gains (NodeJS,Express, TypeScript, PostgreSQL)

A data collection platform that enables users to create surveys, target demographics, and collect real-time insights for analysis. I focused on building the payment and transaction systems—integrating multiple gateways, managing user transactions, and enabling secure withdrawals and utility purchases.

Cardify Africa (PHP, VueJS, MySQL, Flutter, AWS)

A fintech web and mobile app that allows users to manage multiple digital wallets, exchange currencies, and pay bills seamlessly. I worked on the utilities and admin systems, developing features for airtime, data, and electricity purchases, implementing secure transaction tracking, and enforcing access control for financial data..

LightNG (NodeJS, Express, TypeScript, MySQL, Flutter)

An electricity vending platform that lets users recharge prepaid meters and manage payments easily. I developed backend systems for wallet management, integrated secure payment gateways, and implemented automated bank account vending to streamline electricity purchases.

GateAfrica (PHP/Laravel, MySQL, Flutter)

A mobile platform for estate management, providing tools for access control, community engagement, and payments. I developed backend features that allowed residents to manage and track visitors, streamlined dues and payment processes, and worked in an Agile environment to deliver updates iteratively while ensuring smooth frontend–backend integration.

**EDUCATION**

**Obafemi Awolowo University, Ile-Ife, Nigeria | BSc. Computer Science with Mathematics      2016 – 2021**

**Relevant courses:** Techniques in Software Engineering, Project Management, Natural Language Processing, Human Computer Interaction, Data Structures and Algorithms, Object Oriented Modeling, Research Methodology, Techniques in Data mining.

**CERTIFICATIONS**

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| • Certified Secure Computer User. EC Council.                         | Jan 2022.   |
| • Web Development Course (NodeJs). Progate.                           | Feb 2022.   |
| • Server-side Development with NodeJs, Express and MongoDB. Coursera. | March 2022. |
| • AWS Cloud Practitioner.                                             | Aug 2022.   |
| • Building Modern NodeJs Application on AWS. Coursera.                | Dec 2022.   |
| • Certified Cybersecurity ISC2                                        | Oct 2023.   |