

# Opeyemi Akinfenwa

Portfolio   [GitHub](#)   [LinkedIn](#)   [Opeaakinfenwa@gmail.com](mailto:Opeaakinfenwa@gmail.com)   Lagos, Nigeria   +234 903 799 0776

## WORK EXPERIENCE

<b>Countriscan</b> Backend Engineer	<b>Lagos, Nigeria</b> Feb 2025 - Present
<ul style="list-style-type: none"><li>Established backend design guidelines with consistent use of design patterns , standardising project structure and cutting feature integration time by 25%.</li><li>Defined and documented software architecture blueprints, accelerating development cycles and reducing design misalignments by 30%.</li><li>Collaborated with frontend and design teams, accelerating feature rollouts by 65% and improving cross team efficiency.</li><li>Streamlined data collection and processing pipelines, enabling faster insights for client reporting and internal dashboards by 40%.</li></ul>	
<b>AgDyna</b> Backend Engineer	<b>Ibadan, Nigeria</b> Mar 2024 - Jan 2025
<ul style="list-style-type: none"><li>Engineered a highly available Regtech microservices backend architecture supporting 4,400+ concurrent users by containerising services with Docker, orchestrating horizontal scaling through Kubernetes, and leveraging NGINX for intelligent load balancing , achieving 99.9% uptime during peak usage.</li><li>Maintained code quality and delivery standards through automated CI pipelines using GitHub Actions, focusing test automation on high risk and business critical logic , achieving 75% targeted coverage and reducing critical production bugs by 30%.</li><li>Improved API security through the implementation of OAuth2 authentication, eliminating unauthorised access attempts entirely, streamlining the user onboarding process significantly, and automating user details retrieval.</li><li>Decreased API latency by 35% by optimising the Kafka producer-consumer flow and fine-tuning RabbitMQ queues, improving real-time processing in the notification and transaction reward systems.</li></ul>	
<b>AgroInfoTech Labs</b> Assoc. Backend Engineer	<b>Ibadan, Nigeria</b> Mar 2024 - Jan 2025
<ul style="list-style-type: none"><li>Collaborated with cross functional teams to gather requirements and design RESTful API architectures using design documentation, accelerating development timelines by 45%.</li><li>Authored and maintained system design documents, OpenAPI specifications, and service workflows using tools like Postman and Markdown based internal wikis, improving onboarding and dev efficiency.</li><li>Reduced infrastructure costs by 25% through optimisation of container orchestration through Kubernetes/EKS and resource allocation strategies across services, tuning autoscaling policies and memory footprints.</li><li>Contributed to the development and deployment of an MVP using FlutterFlow and Firebase to validate core product functionality during the early incubation phase, enabling faster stakeholder feedback and accelerating product iteration by 45%.</li></ul>	
<b>Hifast</b> Junior Backend Engineer	<b>Lagos, Nigeria</b> Apr 2022 - Jan 2024
<ul style="list-style-type: none"><li>Collaborated with a senior backend engineer to build the Wallet and Transaction modules using NestJS and PostgreSQL, supporting deposits, withdrawals, transfers, and real-time balance reconciliation, processing over 1,000 transactions per day.</li><li>Minimised transaction latency by 40% by optimising Redis caching strategies and SQL queries for high frequency endpoints.</li><li>Worked alongside a senior backend engineer to integrate third party financial APIs, including crypto exchange rate providers and mobile money services, enabling real-time pricing and automated payment operations, which reduced manual processing time by 60% and increased payment success rate by 20%.</li><li>Automated cloud infrastructure provisioning with Terraform, optimising compute resource allocation and reducing infrastructure costs by 15%.</li></ul>	

## PROJECTS

### Electronic Commerce Service

Architected a modular, microservices based e-commerce system comprising independently deployable User, Product, Cart, Order, and Payment services. Integrated RabbitMQ for event-driven communication, enabling asynchronous workflows, payment success/failure updates and inventory adjustments. Simulated for real world transactional patterns using message queues and service isolation.

[GitHub Repository](#)

For additional projects, visit my [GitHub](#)

## EDUCATION

### Bsc Computer Science [Honors]

Olabisi Onabanjo University, Ago Iwoye, Nigeria  
Oct 2018 - July 2023

## SKIILS

**Languages:** TypeScript, JavaScript  
**Frameworks & API Designs:** Express.js, NestJS, RESTful API, GraphQL API  
**Databases & ORMs:** PostgreSQL, MongoDB, Redis, Prisma, TypeORM  
**DevOps & GitOps:** AWS, GitHub Actions, Docker, Kubernetes, AgroCD, Prometheus, Grafana, Loki, Alertmanager, Terraform, Nginx  
**Testing & Docs :** Jest, Postman, OpenAPI (Swagger)  
**Other:** Kafka, RabbitMQ, WebSocket, Socket.IO, Git, GitHub