

# ABIODUN ABDULLAHI

Enterprise Solutions Architect | Fintech & AI Systems

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Lagos, Nigeria (GMT+1) · Remote-native · Full EU overlap · 4 to 5 hr US East overlap · Async-first

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Enterprise Solutions Architect and Senior Backend Engineer with 7 years of hands-on experience building, scaling, and auditing high-integrity systems across fintech, AI, and corporate portfolios. Expert in full-stack execution, financial-grade ledger design, automated reconciliation, and technical oversight. Proven track record of architecting resilient cloud infrastructures, deploying cross-company enterprise solutions, and leading engineering teams to build secure, high-throughput platforms processing real customer funds.

## SELECTED PROJECTS

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**Steeze AI, Gen-AI Fashion Platform** · 2025 · Sole architect · React Native + Next.js + NestJS + Vertex AI · [steezeai.com](#)

Virtual Try-On diffusion pipeline hitting <2 min inference; autonomous inventory ingestion replacing manual data entry teams.

**Ordrgo, Social Commerce SaaS** · 2026 to present · Engineering Lead · NestJS + embedded payments + AI voice parsing · [ordrgo.com](#)

Converts WhatsApp, Instagram, and TikTok DMs into structured orders with embedded checkout. Shipped production code across the React Native mobile app and NestJS backend; designed and deployed the DigitalOcean cloud infrastructure, and integrated an AI voice-note parsing pipeline to transcribe and structure orders.

## PROFESSIONAL EXPERIENCE

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**The Romulus Group** ([theromulusgroup.com](#)) (Conecom Limited Portfolio)

Lagos, Nigeria (Hybrid)

Enterprise Solutions Architect

Apr 2025 to Present

Run a lean 2-man IT and software department managing the enterprise web architecture, systems, and digital infrastructure for the entire group.

- Built and centralized the web architecture for the entire group, single-handedly developing and deploying the primary BaseFM website and all child-company websites.
- Built 'BaselineLive', a high-traffic event ticketing and access-control platform that successfully processed secure ticketing and concurrent user loads for 500+ attendees during a recent Champions League live event.
- Engineered and self-hosted the BaseFM audio streaming infrastructure directly on DigitalOcean droplets to eliminate third-party dependencies.
- Designed the Romulus Mining custom operational dashboard to track high-value physical assets and manage state regulatory mining licenses.
- Executed a zero-downtime enterprise email migration for the entire conglomerate from legacy Roundcube cPanel to Zoho Mail.

**Qashr Group** ([qashr.com](#))

Remote

Technical Lead

Jun 2025 to Present

Led a 5-man engineering team building the Qashr mobile application and WhatsApp-based Soft-POS platform.

- Engineered the core Soft-POS terminal inside WhatsApp using the Meta Business API (via 360dialog), enabling field agents to run cash swaps and transfers without physical hardware.
- Built the high-throughput webhook processing layer in NestJS that processes financial commands from the chat interface and executes real-time payments and settlement.
- Designed a PostgreSQL double-entry ledger for agent Cash-In and Cash-Out flows, with zero reconciliation breaks in production.
- Led VAPT remediation, implementing rigorous input validation and sanitation across the chat surface to protect customer funds against injection and XSS attacks.

**Smart Approaches** ([smartapproaches.org](#))

Remote · United Kingdom

Lead Software Engineer

Jul 2023 to Jun 2025

- Led a 5-person distributed engineering team delivering two flagship platforms (marketplace and edtech) serving 4,000+ users and 2,500+ active vendors.
- Established a test-driven development culture and standardized CI/CD via CircleCI, cutting regression bugs by 40%.
- Reduced PR cycle time by 30% by introducing reusable architecture patterns and weekly design reviews.
- Achieved sub-second API response times on high-traffic endpoints through Redis caching and database index tuning; deployed via Docker and CircleCI to AWS EC2 (ECR) with Prometheus and Sentry observability.

**BananaCrystal** ([bananacrystal.com](#)) (concurrent contract)

Remote · Wyoming, US

Senior Software Engineer

Apr 2024 to Jun 2024

- Engineered the core card-issuance rails integrating with processor APIs to issue virtual and physical debit cards with real-time transaction authorization.
- Built the dispute-resolution microservice, reducing resolution time from 6 hours to 2 hours (66%).

## Heritage Bank

Switch and Fintech Integration Engineer

Lagos, Nigeria  
Dec 2023 to May 2024

- Collaborated on the creation and implementation of a virtual account system for "Pooler", facilitating enhanced fund management and transaction capabilities for pooled account users.
- Collaborated on the integration of cutting-edge fintech solutions and banking systems to enhance digital payment processes and transaction efficiencies.
- Collaborated closely with internal teams and external partners to design and implement robust solutions for switching operations, ensuring compliance with financial regulations and security standards.
- Managed the deployment of API interfaces and services, facilitating smooth interconnectivity between banking software systems and fintech applications.
- Drove continuous improvements by identifying and resolving system bottlenecks, optimizing performance, and ensuring scalable architecture for future expansions.

## Ncc-church

Backend Developer

Remote · Nigeria  
Jan 2023 to May 2023

- Engineered a Node.js and MongoDB backend system for an event management system, integrating Firebase notifications and Google Places API.
- Implemented secure JWT protocols and optimized database indexing to handle scaling traffic.

## United State of Africa

Full-Stack Developer (Volunteer)

Remote  
Feb 2022 to Jun 2022

- Developed a web video conferencing application using WebRTC to enable secure, real-time audio and video communications.
- Integrated WCAG-compliant accessibility features and collaborated on user navigation.

## KudiCrypto

Junior Full-Stack Developer

Remote · Nigeria  
Nov 2020 to Sep 2021

- Collaborated on building a crypto peer-to-peer (P2P) web application using React and Node.js for back-end services, database design, and APIs.
- Built core responsive frontend features and authored comprehensive unit test suites using Jest.

## Make It Good Again

Full-Stack Developer Intern

Remote · Denmark  
Jun 2020 to Nov 2020

- Advanced a Ruby on Rails application for home appliance repair, implementing authentication policies via Devise and Pundit.
- Optimized API endpoints and resolved database performance bottlenecks using New Relic monitoring.

## FOUNDER & ADVISORY

### Roundup (formerly EasyRoundup)

Co-Founder & Lead Engineer

Lagos, Nigeria (remote)  
Aug 2024 to Present

Pivoted from a consumer savings automation application (EasyRoundup) into a B2B sports analytics and computer vision event detection platform for the Nigerian Premier Football League (NPFL).

#### NPFL Event Detection & B2B Pivot (Co-Founder & Head of Engineering)

Jan 2025 to Present

- Designed the real-time ingestion and inference pipeline on AWS (EC2 GPU, S3, ECR), ingesting multi-angle Pixellot stadium feeds and producing automated event data.
- Co-developed and trained custom YOLO and ResNet models to detect game events (throw-ins, corners, penalties, cards, free kicks) from raw broadcast footage, replacing manual tagging workflows and unlocking sub-second event data.
- Built Python microservices and React dashboard for live analytics; delivered sub-second inference pipelines.
- Led technical presentations and pitches to venture capital investors, translating computer vision architectures and system capabilities into strategic business value.

#### EasyRoundup Savings App (Lead Software Engineer)

Aug 2024 to Jan 2025

- Developed Java backend for savings automation, implementing user-defined roundup rules on each transaction via scheduled cron jobs.
- Implemented Test-Driven Development (TDD) achieving 78% test coverage.
- Designed and optimized a PostgreSQL double-entry transactional database schema, ensuring ACID compliance and zero ledger discrepancies.
- Configured AWS infrastructure (EC2, RDS PostgreSQL, CloudWatch) with automated deployment pipelines for continuous delivery.

## TECHNICAL SKILLS

**Backend & Design:** TypeScript, Node.js, NestJS, Express · Python (ML pipelines at Roundup) · C# and Java (auxiliary) · PostgreSQL, MySQL, MSSQL, Redis · BullMQ · Event-driven architecture, Domain-Driven Design

**Cloud & DevOps:** GCP (Cloud Run, Cloud SQL, Cloud Storage, CDN) · AWS (EC2 GPU, S3, Lambda, ECR) · DigitalOcean (managed Redis and Postgres, KYC services) · Docker, GitHub Actions, CircleCI, Terraform · Prometheus, Sentry

**AI & Video:** Google Vertex AI (diffusion) · OpenAI API with custom guardrails · Inference pipelines · Computer Vision (YOLO, ResNet)

**Frontend:** React Native (Expo / CLI), Next.js, Firebase, Meta Business API (360dialog)

## EDUCATION & WRITING

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**B.Sc. Mathematics Education** · *University of Ilorin* · 2019

Core focus: logic, statistics, and numerical methods. Foundation for systems design and ledger correctness.

**Technical Writer** · [medium.com/@abiodunabdullahi](https://medium.com/@abiodunabdullahi)

Publishes on backend scaling, CI/CD pipeline optimization, and test-driven development.