MADU EDDY CHIDIEBERE

Senior Fullstack Engineer | Systems Architect (Fintech & AI)

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PROFESSIONAL SUMMARY

Senior Fullstack Engineer and Systems Architect with 6+ years of experience designing and scaling high-throughput fintech platforms, payment systems, and AI-powered products. Proven track record building secure wallet systems, fraud/KYC pipelines, microservice architectures, and creator revenue platforms processing tens of thousands of transactions monthly. Strong background in NestJS, Next.js, PostgreSQL, Redis, cloud infrastructure, and RAG-based AI systems across US and globally distributed teams.

CORE SKILLS

Languages & Frameworks: Python , JavaScript, TypeScript, Node.js, NestJS, Express.js, React, Next.js, Vue.js

Databases & Data: PostgreSQL, MySQL, MongoDB, TypeORM, Redis

Architecture & Backend: System Design, Microservices Architecture, RBAC, Event-Driven Systems, REST & GraphQL APIs, Concurrency Control

DevOps & Cloud: Docker, GCP (Compute Engine, Cloud Run), DigitalOcean, AWS (EC2, S3, Elastic Beanstalk), Nginx, CI/CD (GitHub Actions, Bitbucket Pipelines)

Messaging & Caching: RabbitMQ, BullMQ, Redis

Payments & Security: Stripe, Paystack, Flutterwave, NMI, Checkbook, Kount, JWT, 2FA, Rate Limiting

AI & Emerging Tech: LangChain, LangGraph, Pinecone, OpenAI, RAG

UI & Tooling: TailwindCSS, ShadcnUI, Three.js, Fabric.js

PROFESSIONAL EXPERIENCE

Senior Fullstack Engineer / Systems Architect

Endow — Wellington, Delaware (Remote)

Jun 2025 – Present

• Architected and launched a transaction and wallet management system processing tens of thousands of transactions/month with 99% balance consistency.

• Eliminated negative-balance incidents by implementing atomic withdrawals and database row-level locking, reducing concurrency failures to zero.

• Designed and shipped a secure B2B Partner API platform with public/private key authentication, IP whitelisting, and sandbox vs production environments.

• Improved API and analytics performance by up to 15× through SQL optimization, Redis caching, and background workers.

• Built a NestJS microservice ecosystem using RabbitMQ with secure cross-service authentication.

• Designed and owned the architecture for a multi-platform creator revenue and split-funds system supporting YouTube, Gumroad, Patreon, and similar platforms.

• Introduced collaboration-based revenue models allowing multiple creators to co-own products with automatic fund splitting on payout events.

• Re-architected the creator insights engine using pure SQL aggregation, achieving ~80% performance improvement and reduced infrastructure cost.

• Built cross-platform analytics enabling creators to identify top-performing content and highest-earning platforms.

• Developing an AI-powered Financial Advisor using LangChain, LangGraph, Pinecone, and OpenAI with RAG-based conversational workflows.

Fullstack Engineer (Contract)

Prime Core Solutions — Houston, TX (Remote)

Jul 2025 – Present

• Built a production-grade fraud detection system using Kount with real-time device fingerprinting.

• Implemented automated KYC workflows and risk-based fund hold automation.

• Integrated NMI (deposits) and Checkbook (withdrawals) with digital signature validation.

• Designed RBAC, request throttling, and rate-limiting strategies.

• Built admin and customer dashboards for transactions and operational monitoring.

Senior Frontend Engineer

Digital Vision (Waseet) — Egypt (Remote)

Dec 2024 – May 2025

• Led frontend development of a large-scale real estate marketplace with auctions and multilingual support.

• Integrated GraphQL APIs and performance optimizations.

• Deployed and maintained infrastructure on GCP VM with Nginx.

Senior Fullstack Engineer

Buzzz Inc. — Remote

May 2022 – Present

• Built creator-commerce platforms including wallets, orders, refunds, and payouts.

• Developed a 3D merchandise designer using Fabric.js and Three.js.

• Implemented user-specific subdomains and optimized APIs for scalability.

Backend Engineer

Binary Agency — Remote

Sep 2021 – May 2022

• Designed scalable backend systems with RBAC and real-time updates.

• Migrated CI/CD pipelines to Docker-based GCP workflows.

Backend Developer

McJohnsons Limited — Nigeria

Feb 2021 – Aug 2021

• Built subscription-based APIs and improved performance using caching.

Frontend Engineer

Rakuteen Travel Exchange — Singapore (Remote)

Feb 2021 – Apr 2021

• Enhanced UI/UX and implemented multilingual support.

EDUCATION

B.Sc. Electrical & Electronics Engineering

Imo State University, Nigeria

Feb 2019 – Sept 2024