

Godwin Chukwudi Chukwuma

SOFTWARE ENGINEER (BACKEND)

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Professional Profile

Senior software engineer with 7+ years of experience designing, building and scaling production systems. Adept at systems architecture, performance optimisation and leading cross-functional teams to deliver reliable, secure platforms. Proven ability to choose appropriate technologies, design for long-term maintainability and deliver measurable improvements in latency, throughput and uptime.

Core Skills

Python, Node.js, TypeScript, Django, NestJS, React; PostgreSQL, MongoDB, Redis; REST/GraphQL API design, microservices, authentication & caching; Docker, CI/CD, monitoring/observability (Grafana, Sentry), cloud orchestration.

Professional Experience

MitochonHub — Senior Software Engineer (Jan 2024 – Present, Lagos)

- Spearheaded design and implementation of a modular NestJS/Node.js microservices backend with PostgreSQL and MongoDB, enabling 3x concurrency and meeting fintech regulatory requirements; introduced JWT-based authentication, Redis caching and Celery tasks to cut median latency by 45%; established CI/CD, Grafana monitoring and chaos testing to deliver 100% release uptime and 30% fewer critical bugs; mentored engineers and partnered with product, accelerating feature delivery by 35%.

Migraid AI Ltd — Lead Software Engineer (Jan 2022 – Dec 2023, Lagos)

- Architected a privacy-focused visa automation platform: migrated the monolithic system to Kubernetes-orchestrated microservices with Kafka for zero-downtime deployments and 4x throughput; developed AI document-extraction and form-filling pipelines using OCR/NLP to cut processing time from hours to minutes and added generative AI to draft embassy-ready cover letters; designed pay-per-application and subscription models with secure payment gateways and discount codes, enforcing zero-retention and no-legal-advice policies; these initiatives halved duplicate code and sped builds by ~30%, increased application throughput by 40%, and grew revenue by 50%.

Skoolleo Technology Ltd — Software Engineer II (Jun 2019 – Dec 2021, Lagos)

- Engineered the payment engine for TRU's ride-hailing platform using Node.js/NestJS, introducing a ₦1 k/day driver subscription model (inspired by flat-fee ride-hailing models that increase driver earnings) and a fare algorithm that computes charges from distance and time; integrated card and cash payments with real-time confirmations and ratings, and exposed APIs for third-party courier services, which boosted driver earnings and retention by about 30%, doubled ride throughput and delivered ~15% additional revenue.

Dana Group — Junior Developer (Jul 2016 – May 2019, Lagos)

- Maintained corporate PHP/WordPress websites, implementing responsive design and security patches, optimising images, caching and scripts to improve performance; built contact forms and event calendars, fixed bugs and documented changes, ensuring reliable upkeep and setting the stage for later modernisation.

Education

Yaba College of Technology, Lagos, Nigeria — HND. *Electrical & Electronics Engineering*

Certifications & Training

ThinkCyber Nigeria – Cyber Security Analyst Certification (2024); African Leadership Xcelerator (ALX) – Software & AI Engineering Program (2023)