

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 %.

Company 2 — Lead Software Engineer (Jan 2022 – Dec 2023, Lagos)

- Led migration from monolith to Kubernetes-orchestrated microservices with Kafka, enabling zero-downtime deployments and quadrupling throughput; architected an internal data API platform in Python/Go that halved duplicate code and sped builds by 30 %; improved performance through caching, load balancing and database tuning, improving page load times by 40 %, supporting 3x user growth and instituting coding standards that cut defects by 25 %.

Company 1 — Software Engineer II (Jun 2019 – Dec 2021, Lagos)

- Modernised customer-facing websites via headless Django/React with automated CI/CD and CDN caching, cutting load times by 25 % and enabling zero-downtime releases; implemented HTTPS with automated certificate renewal and integrated monitoring to reduce downtime by 25 % and boost engagement by 30 %; refactored APIs, optimised queries and introduced GraphQL batching to handle traffic spikes; built reusable components, collaborated with design/marketing and mentored junior developers.

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)