

JONAH ODOH — SOFTWARE ENGINEER

[✉️ Jonahodoh@gmail.com](mailto:Jonahodoh@gmail.com) +1 (423) 896-2344
[LinkedIn](#)

SUMMARY

Experienced in designing, building, and maintaining backend services and production-grade APIs using Java and Python. Strong background in architecting scalable systems, optimizing transaction flows, and implementing robust server-side business logic across fintech and healthcare environments. Skilled in managing distributed transactions, ensuring data consistency and idempotency, and developing reliable backend components that support core business operations. Experienced with containerized deployments and collaborating effectively with cross-functional engineering teams to deliver maintainable, high-quality backend systems.

WORK EXPERIENCE

Senior Software Engineer

Andela — New York, United States
02/2025 — Present

- Joined Andela as a Senior Software Engineer, delivering high-quality backend solutions for global client engagements and contributing to platforms supporting 10k+ active users.
- Design and build scalable backend services and APIs, improving key performance metrics such as reducing average request latency by up to 25% and increasing system throughput across critical workflows.
- Collaborate with product managers, frontend engineers, and DevOps teams to translate business requirements into robust technical solutions, helping accelerate feature delivery cycles by 15–20% and reduce integration issues.
- Contribute to system design, code reviews, and production support, strengthening system stability and observability, cutting production incidents by ~30%, and improving deployment success rates in cloud environments.

Software Engineer

Stax — Lagos, Nigeria
02/2022 — 01/2025

- Designed and implemented scalable backend microservices for the Karabo Fintech platform, enabling secure handling of 100k+ monthly transactions with <200ms average response time.
- Developed a real-time fraud detection and monitoring system using rule-based checks and anomaly detection, reducing fraudulent transaction attempts by 35% and improving trust with financial partners.
- Optimized transaction flows across distributed components, cutting payment processing latency by 30% and improving system reliability to 99.9% uptime.
- Integrated secure third-party financial services APIs (payments, KYC, compliance) with robust authentication and encryption, ensuring adherence to fintech regulations.
- Contributed to containerized deployments using Docker and Kubernetes, improving scalability and reducing deployment time from hours to minutes.
- Delivered clean, maintainable backend code and collaborated with cross-functional teams (product, QA, frontend) to accelerate feature delivery and support Karabo's growth in the fintech sector

Software Engineer

Reliance Health — Lagos, Nigeria

01/2019 - 01/2022

- Served as a Backend Engineer on the Reliance Health platform, designing and maintaining scalable APIs and microservices that powered core healthcare features for 50k+ active patients.
 - Implemented server-side business logic for telemedicine consultations, patient management, electronic health records (EHR), and prescription services, reducing consultation scheduling errors by 25%.
 - Built secure integrations with payment gateways, insurance claims systems, and third-party healthcare providers, streamlining claims processing and cutting reimbursement delays by 30%.
 - Worked with relational and NoSQL databases, authentication systems, and HIPAA-compliant data flows to ensure secure, efficient, and reliable handling of sensitive patient information.
 - Developed monitoring and analytics pipelines to track patient engagement and service usage, enabling data-driven improvements that boosted platform reliability to 99.9% uptime.
 - Collaborated with cross-functional teams (doctors, product managers, QA engineers) to deliver new health-tech features that supported Reliance Health's growth across Africa.
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EDUCATION

B.Sc. Economics — University of Lagos (*2016–2021*)

Diploma, Software Engineering — Semicolon Africa (*2019–2020*)

Business Education & Entrepreneurial Development — Henley Business School (*2020*)

SKILLS

Languages & Frameworks:

Python, Java, JavaScript, Flask, Django, Spring Boot, Node.js, Next.js

Software Design & Architecture:

System Design, Clean Architecture, Microservices, Event-Driven Systems, OOP

Testing & Development Practices:

TDD, Unit Testing, Integration Testing, System Testing

Cloud & DevOps:

AWS, GCP, Docker, Kubernetes, Terraform, Ansible, CI/CD, Prometheus, Grafana

CERTIFICATIONS

Business Education & Entrepreneurial Development — Henley Business School (*2020*)

Diploma, Software Engineering — Semicolon Africa (*2020*)