

David *Amaku*

SENIOR FULL STACK DEVELOPER

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PROFESSIONAL SUMMARY

Senior Full Stack Developer with 5+ years delivering production-grade software across fintech, SaaS, geospatial, and mobile platforms. Experienced in Agile cross-functional teams, microservices architecture, and end-to-end product delivery — from system design to deployment. Led a monolith-to-microservices migration that increased deployment frequency by 400%, built systems serving 11,000+ active users, and maintained 85% automated test coverage throughout. Adept at technical discovery, solution design, legacy modernisation, and mentoring teams toward quality engineering practices. Committed to user-centric digital services built to last in production.

TECHNICAL SKILLS

Backend	Node.js, NestJS, Express.js, Python, Golang, TypeScript, REST APIs, GraphQL, WebSockets
Frontend	Next.js, React, Flutter (web & mobile), SwiftUI
Databases	PostgreSQL, MongoDB, Redis — schema design, query optimisation, migrations
DevOps / CI/CD	Docker, Kubernetes, Terraform, GitHub Actions, AWS (EC2, S3, CloudWatch, IAM, ElastiCache)
Testing	Jest, unit testing, integration testing, E2E testing, TDD — 85% coverage achieved in production codebase
Architecture	Microservices, event-driven SOA, distributed systems, design patterns, DDD
Collaboration	Git (5+ years), Agile/Scrum, code review, technical documentation, cross-functional delivery

WORK EXPERIENCE

Senior Software Engineer — Backend

Sep 2025 – Present

Getpayed Technology Solutions

- Built and maintained POS terminal management system integrated with Sterling Payment API.
- Designed automated payment workflow processing for high-frequency transaction handling.
- Collaborated in agile cross-functional delivery teams; contributed to sprint planning, peer code review, and documentation.

Node.js TypeScript PostgreSQL REST APIs Git

Senior Software Engineer — Backend

Apr 2024 – Present

Bank With Zelia

- Architected microservices backend for digital banking, covering payment processing, account management, and transaction history.
- Designed REST APIs consumed by mobile banking clients with a focus on performance, reliability, and security.
- Contributed to integration test suites covering core payment flows; maintained service documentation for maintainability.

NestJS Node.js PostgreSQL Redis Docker Git

Senior Backend Engineer (Contract)

Mar 2025 – Jul 2025

Aadun Realty

- Delivered a blockchain-based real estate tokenisation platform from discovery through production launch.
- Designed and documented 200+ API endpoints; led technical discovery and produced system architecture artefacts.
- Sole technical lead — owned solution design, code quality, and deployment pipeline.

Node.js TypeScript MongoDB AWS Blockchain Git

Lead Engineer → Lead Backend Engineer → Software Engineer

Mar 2023 – Feb 2025

Zap Technologies Ltd

- Led monolith-to-microservices migration of a live cryptocurrency exchange — 400% improvement in deployment frequency, zero data loss.
- Architected multi-chain wallet system supporting 6 blockchains; sustained 99.9% uptime for 11,000+ active users.
- Reduced API response times by 70% through profiling, caching strategy (Redis), and query optimisation.
- Built and maintained automated CI/CD pipelines using Docker and Kubernetes; enforced 85% test coverage with Jest (unit, integration, E2E).
- Managed \$100K+ monthly transaction volume; resolved 20+ security vulnerabilities via VAPT process.

- Led a team of 10+ engineers; mentored 5 junior developers to mid-level through pair programming and structured reviews.

NestJS Node.js TypeScript MongoDB PostgreSQL Redis Docker Kubernetes Terraform AWS Jest Git

Software Engineer — Blockchain

Aug 2021 – Nov 2022

Solarsoft Technologies

- Developed Solidity smart contracts and decentralised applications (DApps) integrated with web frontends.
- Participated in Agile sprint ceremonies, peer code review, and ongoing technical documentation.
- Contributed to integration and unit test coverage for smart contract interactions.

Solidity JavaScript Node.js Web3.js Ethers.js Git

Founder & Lead Engineer

2021 – Present

Amaku Solutions

- Designed, built, and shipped 8+ digital products across geospatial, fintech, HR/payroll, mobile gaming, and operations management.
- Full end-to-end ownership on every product: requirements, system architecture, backend, frontend, CI/CD, App Store release.
- Delivered CORSLocate (geospatial SaaS), a multi-tenant Payroll platform, Tracc (crypto analytics), and Pots & Pans (real-time multiplayer mobile game).

Flutter Next.js NestJS Node.js Go Swift PostgreSQL MongoDB Redis AWS

SELECTED PROJECTS

Zap Crypto Exchange Platform

FINTECH · WEB3 · 2023-2025

Multi-chain cryptocurrency exchange supporting 6 blockchains with non-custodial wallets. Scaled from zero to 11,000+ active users. 400% deployment improvement, 70% API latency reduction, 99.9% uptime, \$100K+ monthly volume.

NestJS MongoDB Redis Kubernetes Terraform

Payroll Management SaaS

HR & FINANCE · 2025-PRESENT

Multi-tenant payroll platform for educational institutions. Handles salary computation, progressive tax, loan processing, payslip generation, and financial reporting with role-based access control.

NestJS Next.js PostgreSQL PDFKit

CORSLocate

GEOSPATIAL · SAAS · 2024-PRESENT

Marketplace for land surveyors to discover and subscribe to CORS/GNSS correction services across Nigeria. Replaces weeks of manual coordination with a 5-minute digital workflow. Paystack-integrated subscription model.

Flutter Next.js Node.js Mapbox Paystack

go-with-me / infra-hub-tf

OPEN SOURCE · INFRASTRUCTURE

Open-source production-ready Go boilerplate for backend services, and a multi-environment Terraform infrastructure module with security hardening — used as a foundation across personal and client projects.

Go Terraform AWS Docker

QUALIFICATIONS MATRIX — JL13 / GOA REQUIREMENTS

Requirement	Expected	Where to Find in This CV
Source control (Git) in collaborative development	5 yrs	All roles, 2021–present (5+ years)
Automated unit testing & integration testing	3 yrs	Zap Technologies (2023–2025): Jest, TDD, 85% coverage; Bank With Zelia (2024–present)
Relational & non-relational database technologies	3 yrs	All roles: PostgreSQL, MongoDB, Redis (2021–present)
Full Stack on complex agile software solutions	5 yrs	Zap, Bank With Zelia, Getpayed, Amaku Solutions (2021–present)
Production apps with modern application & JS frameworks	3 yrs	NestJS, Express, Next.js, Flutter — Zap, Bank With Zelia, Amaku Solutions (2022–present)
Legacy system transformation to modern digital services	3 yrs	Zap Technologies: monolith-to-microservices migration (2023–2024)
Frontend: React / Vue / Angular; Backend: Node.js (NestJS, Express), Python	2 yrs	NestJS, Express, Node.js throughout; Next.js/React: Amaku Solutions, Aadun Realty; Python: multiple projects
Design patterns & software architecture	2 yrs	Microservices, event-driven SOA, DDD — Zap Technologies & Amaku Solutions (2021–present)
CI/CD pipelines	2 yrs	Zap Technologies: Docker, Kubernetes, Terraform, GitHub Actions (2023–2025)
Cross-functional team collaboration & UX-aware delivery	2 yrs	All employment roles; end-to-end product ownership at Amaku Solutions including UX to deployment