Akamu Nnamdi Alexander

Senior Full-Stack Software Engineer | PHP, Laravel, Node.js, Vue.js, React & TypeScript

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PROFESSIONAL SUMMARY

Senior full-stack software engineer with over 10 years of programming experience, specialising in PHP and Laravel back ends, Node.js, and Vue.js, React and TypeScript front ends. Accustomed to taking ownership of delivery and working through complex technical problems. Currently Senior Software Engineer (AI Architect) at WA.Technology, working remotely on software architecture and server-side programming in PHP and Laravel for a B2B platform in the regulated iGaming sector; previously supported and maintained multi-brand cryptocurrency and trading platforms at Red Acre Ltd / Symphony Solutions, and was Software Solutions Architect and Team Lead at Snapnet Solutions, delivering ERP and HR products in PHP and Laravel, mentoring engineers and reviewing code. Hands-on with payment, banking and telecoms integrations in financial services and other regulated environments (Paystack, NIBSS, Coronation Bank, telecoms value-added services, Apache Kafka, an enterprise service bus including Microsoft Dynamics CRM), Redis and MongoDB, test-driven development (TDD), behaviour-driven development (BDD) and automated testing (PHPUnit, Pest, Jest), performance and load testing, and CI/CD with GitHub Actions. Works with AWS and Azure, Docker, domain-driven design (DDD), and monitoring with Grafana, Datadog and Sentry. Uses AI coding tools (Cursor, Claude) in a production codebase every day, reviewing generated code carefully before it ships. Product-minded, used to explaining technical ideas clearly to people in different roles, and experienced working remotely in distributed teams from Doncaster, United Kingdom.

CORE SKILLS

- **Backend:** PHP (10 years), Laravel (5+ years), Node.js and Express (5 years); software architecture and server-side programming
- **Frontend:** JavaScript / ECMAScript (8 years), TypeScript (4 years), Vue.js (4 years), React (4 years), Svelte; Livewire (personal projects)
- **Data stores:** Redis, MongoDB
- **Cloud, containers & delivery:** AWS, Azure; Docker; Git and GitHub (3 years); CI/CD: GitHub Actions (3 years)
- **Testing & monitoring:** Test-driven development (TDD); behaviour-driven development (BDD); automated testing with PHPUnit, Pest and Jest; performance and load testing; Grafana, Datadog, Sentry
- **Architecture:** Domain-driven design (DDD); microservices
- **AI-assisted development:** Cursor and Claude for day-to-day coding, refactoring and code review in a production codebase
- **Integrations:** Event streaming with Apache Kafka; Enterprise Service Bus (ESB) and system integration (incl. Microsoft Dynamics CRM for Coronation Bank); payment gateways (Paystack, NIBSS — Nigeria's interbank settlement system); telecoms value-added services; geo-location and package tracking
- **Regulated sectors:** banking, payments, iGaming
- **Mobile:** Native Android development in Java (7 years)

WORK EXPERIENCE

Senior Software Engineer (AI Architect) | WA.Technology (Full-time, Remote) | *Sep 2023 – Present*

- Software architecture and server-side programming for WA.Technology's B2B platform in the regulated iGaming sector, using PHP and Laravel, owning substantial server-side work from design through to delivery.
- Worked with Redis and MongoDB and practised test-driven development (TDD) and automated testing on the platform.
- Built synchronisation of player bets from the gaming platform to Apache Kafka, so downstream services and third parties (e.g. analytics) could consume them independently; this offloaded and distributed server workload, improved the user experience and drove a considerable increase in engagement.
- AI-assisted development: use Cursor and Claude day to day in the production codebase, reviewing and understanding generated code before it ships.
- Collaborate remotely with a distributed engineering team.

Full Stack Engineer | Red Acre Ltd / Symphony Solutions, Malta | *Apr 2022 – Jun 2023*

- Supported and maintained cryptocurrency and trading platforms designed to be deployed to multiple clients and brands from a shared product.
- Full-stack role covering both back-end and front-end development with React.js and Node.js.

Software Solutions Architect (Team Lead) | Snapnet Solutions, Lagos, Nigeria | *2019 – 2022*

- Led and mentored the team building and supporting ERP and HR solutions using PHP and Laravel, deployed to SMEs and large business establishments, including through code reviews.
- Responsible for solution architecture on products deployed to many different customer organisations, explaining technical approaches to colleagues in other roles.
- Planned and helped implement an on-demand Enterprise Service Bus (ESB), an idea from the CEO: designed the strategy for two-way communication between upstream and downstream systems; deployed in a financial services environment for Coronation Bank (Nigeria) to synchronise data between Microsoft Dynamics CRM (MS-CRM) and other source systems.

Lead Technical Development Officer | Forde Entertainment, Lagos, Nigeria | *2017 – 2018*

- Led the development team building fordepro.com, described as Africa's largest entertainment database.

Software Engineer | Medenhanz, Lagos, Nigeria | *2016 – 2017*

- Revamped health-focused web platforms (medenhanz.com) and helped build the “Ask a Doctor” service and an online platform for medical professionals to update their CPD.
- Assisted in developing a logistics web back end for tracking orders from e-commerce sites.
- Built several e-commerce websites (including vanbedng.com, no longer active) and a native Android app for managing restaurants and collecting customer orders.

Mobile Application Developer (Android) | R2 Soft, Lagos, Nigeria | *2015 – 2016*

- Built a native Android e-learning app for students as part of a client's PhD project.

System / Web / Application Developer | Varitec Systems, Lagos, Nigeria | *2011 – 2012*

- Lead developer on the redesign of “Open Heavens”, scaling it from Java-enabled handsets to other platforms, mainly Android; led the redesign of “Naija Radios” to add social features.

Mobile Application Developer | Sparkle Soft Solutions, Lagos, Nigeria | *2010 – 2011*

- Built the native mobile version of “Open Heavens” using the Java toolchain, running on any Java-enabled handheld device.

System / Web / Application Developer | Vashni Technologies, Lagos, Nigeria | *2009 – 2010*

- Lead developer anchoring web projects for restaurants and religious organisations; part of the team that pioneered the popular “Open Heavens” mobile app and the Naija Radios online radio-streaming platform.

THIRD-PARTY INTEGRATIONS & SELECTED PROJECTS

- Integrated Paystack into cPanel as a payment gateway for domain purchases.
- Integrated NIBSS (Nigeria's interbank settlement system) payments into the Lagos Chamber of Commerce platform so customers could pay for value-added services.
- Integrated telecoms operators into a website to provide value-added services.
- Built a logistics solution driven by geo-location and package tracking.
- Worked on an Android app connecting smartphones via Bluetooth to ATM card readers to initiate card payments.

EDUCATION

BSc Computer Science | Lagos State University, Lagos, Nigeria | 2010

School Leaving Certificate (Science) | Igbobi College, Lagos, Nigeria | 2001

LANGUAGES

English