

Tokunbo Lawal

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PROFESSIONAL SUMMARY

Experienced software engineer delivering end-to-end development, testing, and production deployments across fintech, healthcare, and mobility platforms. Strong in enterprise system architecture, lifecycle management, stability, process modeling, and event-driven design, translating complex business needs into scalable, future-proof solutions. TOGAF 9, Cybersecurity, Security+, Network+ certified and holds an active security clearance.

WORK EXPERIENCE

MyFit.ai - Enterprise Developer Architect

09/2023– Present

Your **AI-smart health platform** focuses on fitness tracking, health insights, and personalized recommendations.

- Led end-to-end architecture (frontend, backend, APIs, data, cloud), defining target-state roadmaps using TOGAF ADM.
- Delivered platform foundations: API Gateway, microservices, databases, infra patterns for scalable product delivery.
- Shipped production features across PHP/Laravel, Node.js, Angular/React/Next.js and TypeScript (customer-facing apps and reusable components).
- Owned AI-health backend services (workflows, scheduling, task management) with Laravel.
- Improved microservice performance and reliability via REST, caching, and resilient design patterns.
- Standardized deployments with Ubuntu web server config and Docker, enabled repeatable releases.
- Built scalable delivery foundations using Terraform (IaC) and Kubernetes for resilient, automated workloads.
- Increased engineering velocity with CI/CD automation and delivery guardrails in Scrum/Agile teams.
- Strengthened identity and edge performance: CIAM (verification, reCAPTCHA, MFA) and CDN caching (≈45% lower origin load).

Contributions:

- Translated specs into architecture plans, cutting onboarding time 30%.
- Delivered 99.9% uptime using high-availability patterns within a custom framework.
- Improved process efficiency 35% through targeted platform customization and optimization.
- Streamlined Jenkins CI/CD, boosting deployment efficiency 50% and reducing downtime 20%.
- Improved peak-load API response times 40% using k6 performance testing.
- Accelerated release cycles 40% via Kubernetes and Docker standardization.
- Technologies: PHP, React, ReactJS, Node.js, CodeIgniter, Laravel, GIT, Apache, Ubuntu, PostgreSQL, MySQL, Prisma, Supabase, SQLite, Redis, Docker.

Codepath | AI- Native Software Engineer – Applied AI Engineering

02/2026 –04/2026

- Built AI-integrated systems using RAG, agentic workflows, and responsible AI guardrails; applied ML concepts including data representation and model behavior.
- Assessed and improved AI-generated code using rigorous verification; practiced Python, Pytest, and professional Git/GitHub collaboration workflows.

Intralot USA - PHP Developer

09/2021 - 09/2023

- Maintain and optimize PHP, React-based web applications for high traffic lottery gaming operations, enhancing performance and user experience by 35% and increased revenue.
- Worked with Edge Framework, React, JavaScript, CSS, HTML5, Node.js to resolve technical issues arising from integrations.
- Created responsive designs using CSS Grid and Flexbox, ensuring compatibility across mobile and desktop devices, improving mobile user engagement by 60%.
- Real-time updates for lottery results via WebSocket for live data fetching, resulting in 25% improvement in response time.
- Built scalable RESTful APIs to manage large volumes of user and transaction data.
- Resolved 100+ complex technical issues achieving a 95% bug-fix success rate using Xdebug.

Contributions

- Understudy legacy platform integration and provide gradual solutions, reducing maintenance efforts by 30% and improving code maintainability.
- Performs customization goals of the products.
- Utilize the custom framework to achieve business objectives, especially high availability requirements.
- Find opportunities to improve current processes.
- Upgrade and Optimize API's performance.
- Technologies: PHP, ReactJS, PHP Frameworks (Edge & CodeIgniter), GIT, Apache, Ubuntu, Windows Server, MySQL, Redis, Docker.

Float Mobility - Software Engineer

05/2019– 09/2021

- Designed and scaled a distributed, multi-tier mobility platform (API Gateway, microservices, data layer), producing architecture artifacts, specs, and implementation roadmaps.
- Built and optimized high-throughput services and real-time data flows using Kafka, REST APIs, and mobile/web integrations; improved reliability across key read/write paths.
- Migrated legacy services to Docker and Kubernetes, improving scalability and maintainability by ~40%.

- Identified bottlenecks and improved performance with caching (e.g., Redux caching) and edge/content strategies, increasing page speed by ~20% and reducing origin load.
- Owned delivery to production, CI/CD with Jenkins, release management (Xcode/Android Studio), AWS automation (CloudFormation, IAM), observability (Grafana), and security testing (SonarQube SAST, Burp DAST).

Contributions:

- Architected distributed platform and microservices, drove Kafka and REST throughput with reliability, owned CI/CD, AWS automation, monitoring, and security gates.

WrenchBoard - Software Engineer

09/2016– 02/2019

This platform streamlines project management, personal tasks, and parenting strategies with features like the **Plan Rewards** system.

- Owned backend/middleware for the Plan Rewards system using Laravel/CodeIgniter, API management, token-based auth, Redis/Memcached caching, automated backups/DR, and Docker deployments.
- Implemented async, real-time collaboration using WebSocket's, reducing latency by ~50% and strengthening reliability of user interactions and data updates.
- Drove performance and resiliency improvements: lazy-loading UI components (~35% faster loads), database optimization and efficient coding (~30% system improvement).
- Led AWS deployment planning for web/mobile experiences and shipped cross-platform mobile features (Ionic/React) to iOS/Android stores.
- Strengthened security posture with WAF deployment and bot-abuse controls (CAPTCHA / JS challenges); contributed to architectural discussions and team delivery in an Agile environment.

Contributions:

- Owned Laravel/CodeIgniter backend with caching and Docker, built WebSocket async collaboration, improved performance/resiliency and led AWS deployment planning.

PERSONAL PROJECTS

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|-------------------|------------------------------------|-------------------------------|------------------------------------|-------------------------------------|
| • Websites | Personal Website | Personal Blog | Personal Portfolio | Bloomberg Hackathon |
| • Project | Terraform with AWS | GitLab DevOps | EcoBridge Project | Social media (Java) |
| • More ... | Python Project | | | |

EDUCATION

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|----------------------------|--|---|---|
| • Bachelor's Degree | Software Engineering | Cybersecurity & Information Assurance | Computer science & Information Technology |
| • Certification | AWS Certified Cloud Practitioner | TOGAF 9 Certified Enterprise Architect | AI Engineering |
| | Cybersecurity NIST Framework | Software Engineering Fellow | Python & Web Developer |

CORE SKILLS

Front End:	React, Next.js, JavaScript (ES6+), TypeScript, Vite, HTML5, CSS3, Tailwind CSS, React Router, Tanstack, responsive design, reusable components, component-based architecture
Back End:	Node.js, Express, Python, PHP, Spring Boot, Docker, Kubernetes, Jenkins, Git, GitHub, GitLab, Agile/Scrum
UI / UX:	Accessible UI development, CSS Grid, Flexbox, mobile-first design, single-page applications, real-time dashboards
State & Data:	React Hooks, Context API, Redux, REST API integration, WebSocket, third-party API integration
Performance:	Lazy loading, rendering optimization, page speed improvement, load/stress/spike testing, K6, Grafana
Databases & Cloud:	PostgreSQL, MySQL, Redis, MongoDB, Prisma, Supabase, AWS
Mobile Development:	Ionic Framework (Angular), React Native (Expo), Android and iOS.

SOFT SKILLS

- Strong communication and interpersonal skills with both technical and non-technical stakeholders.
- Effective organization and problem-solving abilities in high pressure environments.
- Team player with a proactive approach to innovation and process improvement.