



Tayo Opeyemi

FULL STACK SYSTEMS ARCHITECT & LEAD PRODUCT ENGINEER

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Full Stack Systems Architect with a proven track record of engineering high performance SaaS platforms, e commerce ecosystems, and AI driven web applications. I bridge the gap between breathtaking UI/UX design and bulletproof backend infrastructure, consistently delivering 80% operational efficiency gains, 100/100 Lighthouse scores, and 25% user retention growth for global brands.

EXPERIENCE

Lead Systems Architect & Full Stack Engineer — Advanced Solutions Lab (Freelance Enterprise Consultant)

Remote

Jan 2022 – present

- Architected AI driven n8n workflows integrated with OpenAI API, automating B2B lead intelligence and cutting pipeline processing time by 80%.
- Engineered secure HL7 FHIR compliant CarePlan APIs, ensuring seamless enterprise healthcare interoperability across complex systems.
- Refactored legacy monolithic backends into optimized Node.js microservices, reducing cloud server overhead by 35% while tripling concurrent request capacity.
- Designed and launched high performance SaaS platforms with Bento Grid UI/UX and aggressive edge caching, achieving sustained 100/100 Lighthouse scores and boosting user engagement by 25%.
- Built end to end autonomous CRM sync engines, eliminating manual data entry redundancies and reducing pipeline turnaround from hours to seconds.

EDUCATION

Senior Designer — Acme inc.

Remote

2019 – 2023

Led Redesign of checkout, Rising conversion 54%

SKILLS

Dean's List for academic excellence. Focused on distributed systems
API security database optimization
and scalable architecture. Relevant coursework: Advanced Web Development
Cloud Infrastructure System Design Cybersecurity
and Enterprise Software Architecture.

PROJECTS

Project name

CERTIFICATIONS

- Full Stack Development, Web Design, SaaS Development, Ecommerce Development,
- Software Architecture, API Design & Integration, Cloud Infrastructure (AWS/Azure),
- Next.js, React, Node.js, HTML5, CSS3, JavaScript (ES6+), TypeScript,
- WordPress, PHP, UI/UX Design, Responsive Design, Performance Optimization,
- Microservices Architecture, AI Integration, Database Management, Git/GitHub