IFEOLUWA OLUWAYELU

Software Engineer | Full Stack Developer | Frontend Engineer
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PROFESSIONAL SUMMARY

Software Engineer with 6+ years of experience designing, developing, and shipping scalable web applications across frontend, backend, and full-stack environments. Proficient in JavaScript, TypeScript, Python, React, Next.js, and Node.js, with a strong foundation in data structures, algorithms, system design, and RESTful API development. Proven track record of leading cross-functional teams, reducing page load times by 40%, and delivering production-ready software in remote and hybrid environments. Adept at translating business requirements into clean, maintainable, well-tested code while collaborating with designers, product managers, QA engineers, and backend developers in Agile workflows.

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, Python, HTML5, CSS3, SQL

Frontend: React.js, Next.js, Redux, React Query, Context API, Tailwind CSS, Styled-Components, Three.js, GSAP, Responsive Web Design, Web Accessibility (WCAG), Cross-Browser Compatibility

Backend: Node.js, Express.js, RESTful APIs, GraphQL, WebSockets, Socket.io, Authentication & Authorization (JWT, OAuth), API Design

Databases: PostgreSQL, MongoDB, MySQL, Firebase, Amazon Redshift

Testing: Jest, Mocha, Chai, Enzyme, React Testing Library, Unit Testing, Integration Testing

DevOps & Cloud: Git, GitHub, Docker, AWS, Azure, CI/CD Pipelines

Infrastructure: Load Balancing, Caching, Monitoring & Alerting, Multi-chain Node Management

Methodologies & Concepts: Agile, Scrum, Object-Oriented Programming (OOP), System Design, Data Structures & Algorithms, Code Review, Performance Optimization

PROFESSIONAL EXPERIENCE

Full Stack Engineer | Precise Platforms Lagos, Nigeria (Hybrid) | Dec 2023 - Present

- Developed and maintained scalable web applications using React, Next.js, Node.js, and Express.js, reducing page load times by 40% and improving overall application efficiency.
- Spearheaded the development of Talkteon, a video conferencing and podcast platform, leading a team of 3 engineers to deliver the MVP within 2 months.
- Implemented modern UI/UX design principles and incorporated user feedback into product iterations, resulting in a 30% increase in user satisfaction scores.
- Designed and deployed a referral system on Pollteon, achieving a 20% boost in user engagement and onboarding 400+ new users within two weeks of launch.
- Partnered with cross-functional teams of designers, product managers, and stakeholders to deliver production-ready software using REST APIs, JWT-based authentication, and optimized database queries.

Frontend Engineer (Contract) | Oncopadi Technologies Lagos, Nigeria (Remote) | Jun 2025 - Aug 2025

- Designed and built responsive, accessible frontend interfaces for Brant (brant.prosecare.com), a healthcare platform, using React, Next.js, and TypeScript.
- Translated Figma mockups into pixel-perfect, reusable components, ensuring a consistent user experience across web and mobile devices.
- Collaborated closely with the backend engineer, product manager, UI/UX designer, and QA engineer in an Agile workflow to deliver features within tight project timelines.
- Integrated RESTful APIs and implemented efficient client-side state management, optimizing data fetching and rendering performance for healthcare workflows.
- Participated in code reviews, resolved QA-reported issues promptly, and implemented form validation, error handling, and secure authentication flows to maintain high code quality.

Frontend Engineer | United States of Africa Plano, Texas (Remote) | Oct 2021 - Apr 2023

- Mentored and guided a team of 6 frontend developers, leading the design and delivery of the frontend infrastructure for a video conferencing and live streaming application powered by React.

- Collaborated with project managers and designers to ensure timely delivery, correct UI functionality, and alignment with business requirements before each release.
- Implemented automated testing using Jest and React Testing Library, achieving over 80% test coverage and significantly improving code reliability.
- Identified and resolved critical UI bugs, reducing transaction issue resolution time by 90% and significantly enhancing user experience.

Backend Developer Intern | Facebook Developer Circles Lagos, Nigeria (Remote) | Feb 2020 - May 2020

- Developed authentication and authorization APIs for admins, voters, and the electoral board using Node.js and Express.js, with PostgreSQL as the primary database.
- Implemented a robust testing framework using Mocha and Chai, achieving over 70% test coverage and ensuring API reliability.
- Collaborated with a cross-functional team of web and mobile developers to design and ship new features and platform enhancements.

PROJECTS

Selected work. For the full portfolio, visit www.ioluwayelu.com

GidiLife | gidi-life.vercel.app
Tech Stack: Next.js, Three.js, TypeScript, WebGL

- Built a 3D Lagos life simulation game rendered in the browser with Three.js, featuring an interactive furnished apartment, tappable objects, and a day cycle driven by real Lagos time.
- Implemented dual play modes: an offline mode persisting state to the device with no account required, and an online mode with user registration, authentication, and cross-device saves.
- Modelled the game systems in TypeScript, including a job progression ladder, rent and expense cycles, randomised events such as power cuts and fuel scarcity, and 23 non-player characters with their own relationship state.

Meccamed Fabrics | meccamedfabrics.com
Tech Stack: Next.js, TypeScript, Tailwind CSS, REST APIs

- Built and shipped a production ecommerce storefront for a fabric retailer, covering product search and filtering, wishlist, cart, checkout, and order tracking by reference.
- Structured the catalogue across women's, men's, head gear, and sale collections, with responsive layouts verified across mobile and desktop breakpoints.
- Integrated a WhatsApp support channel into the purchase flow to capture buyers who drop off at checkout.

EDUCATION

B.Sc. Systems Engineering | University of Lagos Lagos, Nigeria | June 2023

- Major in Artificial Intelligence and Robotics.
- Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming, System Design, Robotics.