

Oluwakayode Adediran

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Frontend Engineer

Results-driven frontend engineer with over 5 years of experience building scalable web applications across EdTech, FinTech, and SaaS industries. Proven track record of transforming UI designs and API documentation into high-performance user interfaces, mentoring junior developers, and driving product growth through clean, maintainable code.

WORK EXPERIENCE

Terraswitching & Process Company Limited • Lagos, Nigeria • 07/2024 - Present

Software Engineer (Frontend) • Full-time

At TerraSwitching, a leading FinTech solutions provider, I play a pivotal role in building and scaling production-grade frontend applications that integrate seamlessly with microservices-based backend infrastructures. My work directly supports the company's mission to deliver secure, real-time transaction processing, payment gateway services, and digital financial solutions across Nigeria and emerging markets.

- Led the Frontend design and implementation of the company's first Fintech SaaS platform, empowering businesses in Nigeria and across global markets.
- Developed scalable, modular components that optimized the application for performance, maximum speed, scalability, and cross-device compatibility.
- Improved speed and usability of applications by optimizing rendering logic.
- Played a key role in delivering the latest version of the company's website with modern responsive design and seamless backend integration.
- Translated API documentation into interactive, production-ready frontend applications that communicate efficiently with a microservices-based backend system.
- Scaling and growing the company's wide range of products on the frontend

Inosuft Technologies • Ogbomoso, Nigeria • 09/2022 - Present

Frontend Engineer

At Inosuft Technologies, I led the design and implementation of multiple high-impact frontend applications across FinTech, EdTech, and Real Estate domains, translating complex business requirements into seamless user experiences. I collaborated cross-functionally with UI/UX teams and backend engineers to deliver scalable, production-grade applications that power business operations and user engagement.

- Ensured **100% API integration coverage** using TypeScript.
- Engineered user-facing interfaces for two payment gateway products that handled secure transactions, merchant onboarding, and KYC integration. Ensured compliance with payment regulations and optimized flows for conversion.

- Delivered a robust EdTech platform with two dedicated portals: **Admin Portal:** For managing students, course content. **Student Portal:** Offering personalized learning paths, assessments, and progress dashboards.
- Built a scalable platform for property listing, agent interaction, and user-driven property applications. Integrated geolocation services.
- Reduced load times by up to **40%** across multiple applications through optimization and lazy loading
- Implemented **component reusability** and **design system patterns** to improve development efficiency.
- Maintained **cross-platform parity** between web and mobile applications using React Native

Schoolshell Limited • FCT Abuja, Nigeria • 10/2021 – 08/2024

Frontend Developer

As a Frontend Developer at SchoolShell Limited, I contributed to the design, development, and optimization of educational technology solutions aimed at improving school operations and communication. My role focused on transforming UI/UX concepts into responsive, high-performance mobile interfaces

- Improved the **mobile app UI using React Native**, including a redesign of the student result page for a better user experience.
- Played a key role in enhancing the **user experience and interface quality** on mobile.
- worked closely with the team lead in fixing bugs on the mobile application.

Concreap • Ogbomoso, Nigeria • 09/2022 – 04/2024

Frontend Engineer

At Concreap, I served as a **Frontend Engineer**, playing a key role in the design, development, and optimization of the company's robust Edtech solutions and other scalable web interfaces tailored for internal and external stakeholders. I collaborated closely with UI/UX designers and backend engineers to build user-centered features and ensure seamless integration across the frontend and microservices-based backend.

- Developed and deployed responsive, high-performance web applications using React.js, JavaScript, and modern frontend libraries.
- Translated complex UI/UX designs into functional interfaces, ensuring cross-browser compatibility and mobile responsiveness.
- Built and integrated the company's **admin dashboard** for product management and analytics.
- Interfaced with REST APIs to ensure reliable communication between the frontend and distributed backend services.
- Collaborated in cross-functional teams to improve frontend performance and implement new features aligned with product goals.

Cephas ICT HUB • Ogbomoso, Nigeria • 07/2020 – 04/2024

Frontend Developer, Instructor

As a dual-role engineer and instructor at Cephas ICT HUB, I led the design, development, and deployment of frontend solutions for clients while mentoring aspiring developers to bridge the skills gap in modern web technologies.

- Led frontend development for the SDG Grants Portal, a platform that enabled the efficient collection, screening, and management of hundreds of grant applications from Lagos State residents—supporting the disbursement of ₦255 million across 51 community projects.
- Engineered dynamic and responsive user interfaces from intricate UI/UX designs using React.js, TailwindCSS, Context API, and TanStack Query to deliver high-performing web applications.
- Led and managed over 1,200 instructional hours in web development, mentoring students through both in-person workshops and online platforms.
- Delivered structured web development training to over 200 participants, significantly enhancing their technical proficiency and employability.
- I led the development of frontend solutions for clients while mentoring aspiring developers to bridge the skills gap in modern web technologies.
- Successfully shipped multiple client-facing dashboards with fast load times and intuitive user flows.
- Mentored junior developers, resulting in 3 interns transitioning to full-time developer roles within a year.

Rubies Tech • Lagos, Nigeria • 04/2023 - 08/2023

Frontend Engineer • Part-time

As an Intern Mentor at Rubies Technologies, I played a pivotal role in supporting and nurturing emerging frontend developers in a structured internship program focused on real-world FinTech product development. My work combined **technical leadership, mentorship, and hands-on frontend engineering**, with a focus on building scalable user interfaces that aligns with the company's values.

- Mentored a cohort of frontend interns in modern web development with React.js.
- Facilitated daily/weekly learning sessions on frontend engineering best practices and responsive UI design.
- Reviewed interns' code submissions and conducted debugging sessions to help them resolve logic issues.
- Evaluated interns' growth through meetings and technical assessments.

Edves Nigeria Limited • Lagos, Nigeria • 06/2019 - 09/2019

Machine Learning, Web Development, Internship

As a **Machine Learning and Web Design Intern** at Edves Nigeria Limited, I was part of a cross-functional team focused on building scalable EdTech solutions. My sole responsibility was to derive meaningful insight from a pool of data provided by the engineering team to help inform the business make progressive decisions.

- Supported the development team through **data analysis and data mining**, improving decision-making and product refinement.
- Worked closely with the development lead
- Learned the building blocks of web development which includes HTML5 and CSS3.

EDUCATION

Bachelor of Technology in Pure and Applied Mathematics

Ladoke Akintola University of Technology • Ogbomoso, Oyo

PROJECTS

Vacepay • 09/2023 - 06/2024

Vacepay

Vacepay provides an easy and secure way for online and offline digital payments for underserved SMBs and solo entrepreneurs in Africa.

visit <https://vacepay.com>

Terraswitch • 03/2024 - 06/2024

Terraswitching

Terraswitch is building the payment infrastructure for Africa. that enable payment processing needs using the most secure, user friendly and emerging technologies.

<https://terraswitching.com>

SDG GRANT PORTAL • 10/2021 - 05/2022

Built a grants platform that included 3 dashboards that helped in the collection and screening of hundreds of applications from Lagos state residents for a grant worth ₦255 million for the funding of 51 projects in the state. Check the SDG Grant Portal.

visit <https://grants.lsvc.ng/>

VOLUNTEERING & LEADERSHIP

AI Saturday16 Lautech • 11/2019 - 08/2020

Mentor | Instructor • Ogbomoso, Oyo

An AI community in my undergrad school where the nextGen AI engineers are groomed, I volunteered to mentor a team that included 5 members on a machine learning project Hotel Bookings dataset was obtained from Zindi africa

SKILLS

Bootstrap 5, ContextAPI, CSS3, ExpressJs, Frontend, Git, Github, Heroku, HTML5, JavaScript, JIRA, MongoDB, NodeJs, Npm, Postman, Railway, React, React-query, Redux, RTK query, Swagger, TailwindCSS, Tanstack query, TypeScript, Vercel, I enjoy learning during free times, I enjoy listening to music