

# 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.

**Built a Payment Gateway processing over NGN1B and USD500K, exploring the integration of AI into software**

### 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, as well as **processing over NGN1B and USD500K**.
- 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.

Built the frontend of an EdTech platform (**PACITUDE**) specifically designed to test professionals on their skill levels by using **AI to generate contextual question banks**.

- 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 (**Concreap**) with two dedicated portals: **Admin Portal**: For managing students, course content. **Student Portal**: Offering personalized learning paths, assessments, and progress dashboards.
- Delivered a robust Hotel management platform (**Latolinux**), both a **web platform and a mobile app**. The web platform consists of two dedicated portals: **Admin Portal**: For managing staff, inventories, and hotel activities, **Staff Portal**: Offering permitted actions per staff.
- 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

## CERTIFICATIONS

### **Web Design for Web Developers** • 02/2020

Udemy

### **Certificate of Participation in AI Saturdays**

AI Saturdays

## PROJECTS

### **Pacitude** • 01/2025 - Present

Inosoft Technologies

Built the admin and user portals using AI to generate contextual question banks for different industries, careers, fields, and much more.

### **Available on request**

### **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>

### **Concreap website** • 06/2023 - 07/2023

Concreap

Conreap takes a non-traditional approach in building smart and innovative tech talents.

visit <https://concreap.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