

ADEYEMI SEGUN AYODEJI

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CAREER PROFILE

SOFTWARE ENGINEER specializing in **Frontend Engineering (Next.js, React, TypeScript)** with strong backend experience in **Node.js (NestJS)**. Over five years of experience building scalable, secure, and user-centric web applications. Proven expertise in real-time systems, AI-powered interfaces, and biometric verification platforms. Passionate about converting complex business requirements into performant, intuitive digital solutions while maintaining high engineering standards and security best practices.

WORK EXPERIENCE

Frontend Engineer | ABInBev (Beertech Africa), Lagos, Nigeria. **March 2024 - Present**

- Developed and maintained dynamic front-end applications using Next.js and TypeScript for critical business systems, including a Contract Management System and a Fleet Management System.
- Collaborated closely with a cross-functional team of backend developers and QA engineers to deliver scalable and high-performance applications.
- Designed resilient frontend architectures to support global users.
- Optimized user experience and performance through responsive design and efficient component-based architecture.

Senior Frontend Engineer, Reponsebay HR Consulting, Lagos, Nigeria. **June 2023 - Feb. 2024**

- Developed and maintained a Next.js application for HR management, enhancing user experience and increasing user engagement by 25%.
- Implemented optimized state management with Redux Toolkit and React Query.
- Integrated Third-Party APIs and services to extend application functionality, ensuring seamless integration and data consistency.
- Drove performance and DX improvements through code reviews and modern UI Design.
- Conduct thorough testing using Jest, ensuring high code quality and reliability before deployment.

Frontend Developer | SQI College of ICT, Ogbomosho, Oyo, Nigeria. **Sept 2020 - July 2021**

- Assisted in developing and maintaining web applications using React, contributing to the institute's educational software projects.
- Collaborated with senior developers to implement new features and optimize existing ones, enhancing application performance and user experience.
- Utilized Git for version control, managing code repositories and collaborating with team members on code reviews.

EDUCATION

B.Tech Computer Science & Engineering **2022**

Ladoke Akintola University of Technology, Ogbomosho. Oyo State. Nigeria

Diploma. Front End Web Development **2019**

Udemy

Diploma. Facebook Front End Web Development Course **2020**

Coursera

CERTIFICATION

Snyk – Security for Developers **2024**

- Secure coding best practices
- Vulnerability detection in open-source dependencies
- Secure CI/CD and software supply chain fundamentals

PROJECTS

LIVENESS VERIFICATION PLATFORM | Next.js, MediaPipe AI, Three.js, Zoom Embedded SDK, Biometric Systems

- Built a secure web platform enabling retirees to complete **Remote Liveness and Identity Verification** from home.
- Implemented **AI-Powered Face Detection and Landmark Tracking** using MediaPipe.
- Designed **facial mapping** with Three.js for real-presence verification.
- Developed **Active Liveness Challenges** including **Blink Detection, Mouth-Opening**, and more to prevent spoofing and replay attacks.
- Integrated in-app **Zoom video calls** for live remote verification.
- Developed **Multi-Factor Biometric enrollment**, including fingerprint capture and walking verification.
- Implemented high-level **anti-spoofing, tamper detection, and secure input validation systems**.

Project Link- <https://digitalverification.stanbicibtpension.com/verify>

JAPA.RUN | Next.js (TypeScript, Socket.IO, React Query)

- Built a feature-rich Community-driven social platform.
- Implemented REAL-TIME CHAT and FILE SHARING within communities using SOCKET.IO.
- Integrated Authentication and Authorization flows for secure access to user and admin features.
- Leveraged NEXT.JS with TypeScript for scalable, maintainable frontend architecture.
- Used REACT QUERY for efficient client-side data fetching and caching.
- Implemented SEO best practices using NEXT.JS server-side rendering (SSR) to improve visibility and indexing.

Project Link- <https://japa.run>

RBETACH | Next JS (Typescript, Redux Toolkit, React Query)

- A web based SAAS HRMS to manage company employee, PAYROLL System and other company activities.
- Implements user authentication using NEXT-AUTH authentication with JWT.
- Implements task management and task board with REACT-BEAUTIFUL-DND.
- Integrate plan subscription and payment gateway with FLUTTERWAVE.
- Implement RESTFUL APIs for all CRUD operations with JWT verification.

Project Link - <https://rbetach.ga>

TECHNICAL SKILLS

HTML | CSS | JavaScript | TypeScript | React JS | Next JS | React Native | Redux | Redux Toolkit | React Query | Node JS | Nest JS | MONGO | MYSQL | PostgreSQL | Prisma | Microsoft Azure | Git | Figma | RESTful APIs | SOCKET.IO | SEO | Jest | WebRTC / Embedded Video SDKs | MediaPipe AI, | Three.js

SOFT SKILLS

Communication | Problem Solving | Creativity | Teamwork | Time Management | Open to Improvement | Learning

PORTFOLIO LINK

- Github - <https://github.com/segunayodeji>
- LinkedIn Profile URL – <https://linkedin.com/in/adeyemi-oluwasegun-07b0a51b0>
- Behance - <https://behance.net/ayodejisegun>
- Personal Website - <https://segunayodeji.aurastacks.com>
- Ongoing Project - <https://invoice.aurastacks.com/>

REFERENCE

Available upon Request