

Okwuidegbe Emmanuel

Frontend Engineer (React, Next.js, Typescript)

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Portfolio Website: <https://okwuidegbeemmanuel.vercel.app>

CAREER SUMMARY

Frontend Engineer who scales user engagement through performance-optimized, accessible web solutions. With 6+ years of experience building scalable and secure applications, I specialize in **JavaScript/TypeScript, React, and Next.js**. I've led frontend initiatives, developed CI/CD pipelines, integrated secure APIs, and delivered high-impact features that drive business growth. I bring a blend of design sensitivity and engineering rigor to every project.

WORK EXPERIENCE

Glovez, Lagos-Nigeria (Remote) — Frontend Engineer

March 2023 – till date

- Deliver tailored web solutions, enhancing user experience and increasing client engagement using React.js, Next.js, Tailwind CSS.
- Design **responsive and SEO-friendly** websites for small businesses, driving online traffic growth.
- Led migration of all internal web applications from **JavaScript to TypeScript**, achieving a remarkable **25%** reduction in defects and elevating developer productivity by **30%**. Defect reduction calculated from JIRA/Sentry bug counts (quarter before vs quarter after migration) and the Productivity was measured using story points completed per sprint and PR lead time (GitHub/JIRA reports) comparing equivalent sprint windows.

- Optimized web apps for a **42%** faster load time and secured a stellar **95%** SEO score using lazy loading and optimizing image load times. Performance improvement measured by Lighthouse median LCP/TTI before vs after optimizations and the SEO score by Lighthouse SEO audit comparison (before vs after).

GitStart, San Francisco, California–United States (Remote) — FullStack Web Developer

December 2021 – September 2022

- Delivered optimized pull requests that accelerated delivery cycles for fast-scaling engineering teams.
- Refactored legacy code into reusable components, improving maintainability.
- Automated CI/CD pipelines using **GitHub Actions + Docker**, enhancing release frequency.
- Enhanced app reliability using **Jest and Cypress**, reducing critical bugs and application downtime.
- Collaborated successfully with stakeholders across departments, ensuring project milestones were met on time and within budget.

Compute Essentials Inc, Wyoming–United States (Remote) — Frontend Developer

August 2018 – November 2021.

- Created CI/CD pipelines for frontend deployment, reducing manual release time.
- Designed and developed multiple web applications for real estate companies improving company visibility.
- Developed **frontend automation**, cutting QA time in half. Measured automation using CI test-run durations

Andela, Lagos–Nigeria — Software Engineer Intern

March 2019 – June 2019.

- Transformed design mock-ups into cross-browser compatible HTML5, CSS3 layouts and designed interactive elements and reusable libraries.
- Developed **Quick Credit**, an online micro-lending platform for underserved users.
- Practiced test-driven development using **Mocha + Chai**, increasing backend reliability

SKILLS

Languages: HTML5, JavaScript, TypeScript, CSS

Frameworks: NextJS, ReactJS, NodeJS, ExpressJS

UI Libraries: SCSS, SASS, TailwindCSS, ChakraUI, Bootstrap

Databases: MongoDB, Redis, Postgresql

Tools/Libraries: Git, GitHub, Jest, React Testing Library, Storybook, Redux, AWS, Redux Toolkit, Zustand, SPA, Docker, RTK Query, Firebase, Webpack, Vitest, Microservices, Modular, Monolithics, Restful API.

SOME OF MY PROJECTS

Vision App – AI-powered app that uploads an image, saves it to cloundinary and asks google gemini ai questions about the image.

Project link: <https://vision-app-five.vercel.app>

Protronics – Corporate site for an electronics provider, optimized for performance and SEO.

Project link: <https://www.protronics-inc.com>

FabspaceAI – AI-powered platform featuring dynamic user workflows.

Project link: <https://www.fabspaceai.com>

Gitstart Contributions – PRs merged into production for scale-up tech teams.

Project link: <https://gitstart.com>

Random Quote Machine – Generate random quotes.

Project link: <https://emma50.github.io/random-quote-machine>

EDUCATION

Madonna University, Nigeria — *Bachelor of Engineering (BE) in Chemical Engineering*

October 2011 – October 2016

CORE COMPETENCIES

- Excellent communicator
- Detail-oriented
- Efficient time manager
- Problem-solver
- Adaptable
- Cross-functional team player.

LANGUAGES

English: Native

German: Beginner