

# Okwuidegbe Emmanuel

## Frontend Engineer (React, Next.js, Typescript)

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Github Profile: <https://github.com/emma50>

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

### CAREER SUMMARY

Frontend-focused Full-Stack Engineer with **6+ years** of experience building high-performance, accessible, and SEO-friendly web apps using **React, Next.js and TypeScript**. Delivered production features and led a cross-project TypeScript migration that reduced defects and increased developer productivity; automated CI/CD with GitHub Actions and Docker to speed releases and improve reliability. Skilled in frontend testing (Jest, Cypress, RTL/Vitest), modern UI systems (Tailwind, Chakra), performance optimization, and secure API integrations. I combine engineering rigor with AI-augmented workflows (GitHub Copilot Certified) to drive measurable product outcomes.

### WORK EXPERIENCE

#### Glovez, Lagos-Nigeria (Remote) — Frontend Engineer

March 2023 – August 2025

- Delivered tailored web solutions, enhancing user experience and increasing client engagement using React.js, Next.js, Tailwind CSS.
- Designed **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 reduction in defects and elevating developer productivity.

## **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 2019 – 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, CSS3

**Frameworks:** NextJS, ReactJS, NodeJS, ExpressJS, NestJS

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

**Databases:** MongoDB, Redis, Postgresql

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

**Others:** Web Performance, Accessibility (a11y), SEO, Testing & Automation, Github Copilot (Certified), AI-augmented development, Prisma, Github Actions.

## 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.

## CERTIFICATIONS

**Github Copilot** - issued by Microsoft

Credential link:

<https://learn.microsoft.com/api/credentials/share/en-us/EmmanuelOkwuidegbe-6120/3EFE7210265561F5?sharingId=8491B5E681CF1301>

**JobberMan Soft Skills** - issued by Cousera

Credential link:

<https://www.coursera.org/account/accomplishments/certificate/3BXBMB9N9G8X>

**Javascript Algorithm and Data Structure** - issued by freeCodeCamp

Credential link:

<https://freecodecamp.org/certification/emma50/javascript-algorithms-and-data-structures>

**Introduction to Cybersecurity** - issued by Cisco Networking Academy

Credential link:

<https://www.credly.com/badges/a85cc58b-68cc-4b68-a49f-572d6c8eb116>

## LANGUAGES

**English:** Native

**German:** Beginner