

# Okwuidegbe Emmanuel

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

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

### CAREER SUMMARY

Frontend-focused Full-Stack Engineer with **5+ years** building high-performance, accessible, and SEO-friendly web applications using **React, Next.js, and TypeScript**. Led cross-project TypeScript migrations and CI/CD automation to improve developer velocity and reduce production defects. Strong testing and performance-first approach (Jest, Cypress, RTL/Vitest), experienced with Tailwind/Chakra, Docker, and GitHub Actions. Comfortable turning product requirements into measurable outcomes.

### WORK EXPERIENCE

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

March 2023 – August 2025

- Led a cross-application **TypeScript migration**, improving type coverage and cutting runtime type errors. *Reduced production runtime defects by 30%.*
- Built and optimized multiple **Next.js** customer-facing sites (responsive + SEO). Improved Core Web Vitals (LCP, CLS) and increased organic traffic by 40%.
- Built a component-driven UI system with TailwindCSS, reducing duplicated UI code by ~30% and speeding up feature delivery.
- Introduced CI/CD pipelines (GitHub Actions + Docker), cutting deployment time from ~30 mins to under 10 mins and enabling more frequent releases.
- Added automated testing (Jest + Cypress) and strict PR checks, reducing production rollbacks by ~35% and improving bug resolution time.

- Enforced code-review standards, reducing new-hire onboarding time by ~25% and improving overall code quality.

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

December 2021 – September 2022

- Delivered optimized, production-ready PRs that accelerated delivery for fast-scaling engineering teams and improved merge velocity.
- Refactored legacy code into a reusable component library, improving maintainability and reducing implementation time for new features.
- Automated CI/CD with **GitHub Actions + Docker**, increasing release frequency while reducing manual errors.
- Introduced unit and E2E test coverage (Jest, Cypress), which decreased critical production bugs and improved uptime.
- Collaborated with product, design, and QA to scope and deliver prioritized features on time and within expectations.

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

August 2019 – November 2021.

- Designed and shipped multiple real-estate web applications focused on SEO and lead capture to improve client visibility and lead volume.
- Built CI/CD pipelines for frontend deployments, reducing manual release time and enabling more frequent releases.
- Developed **frontend automation** for QA (test scripts + CI test suites), cutting QA cycle time and surfacing regressions earlier.
- Improved page performance and reduced bundle sizes, resulting in faster page load times and improved user engagement.
- Produced documentation and onboarding guides to shorten new-hire ramp time and standardize engineering practices.

**Andela, Lagos-Nigeria — Software Engineer Intern**

March 2019 – June 2019.

- Converted design mockups into responsive, cross-browser HTML5/CSS3 and accessible components.

- Contributed to **Quick Credit** (micro-lending platform) feature development: implemented core user flows and UI components for lending workflows.
- Practiced Test-Driven Development with **Mocha + Chai** to increase backend stability and reduce regressions.
- Participated in sprint planning and code reviews to deliver a production-ready MVP.

## TECHNICAL SKILLS

**Languages:** HTML5, JavaScript (ES6+), TypeScript, CSS3

**Frameworks / Libraries:** React, Next.js, Node.js, Express, Tailwind, Chakra UI, Storybook.

**Testing / Tooling:** Jest, React Testing Library, Cypress, Vitest, GitHub Actions, Docker, Webpack, Vite.

**State / Data:** Redux, RTK Query, Zustand, Firebase, Prisma, Postgres, MongoDB, Redis.

**Others:** Accessibility (a11y), Web Performance, SEO, CI/CD, Testing Automation, GitHub Copilot (Certified).

## SOME OF MY PROJECTS

**Vision App** – AI image Q&A flow (Cloudinary + Gemini integration)

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

**Protronics** – Performance- and SEO-optimized corporate site.

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

**FabspaceAI** – AI-powered platform with 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** – Frontend demo (React) hosted on GitHub Pages.

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

## EDUCATION

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

October 2011 – October 2016

## 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 & COMPETENCIES

**Language:** English (native), German (Beginner)

**Core Strengths:** Communication, attention to detail, time management, problem solving, cross-functional collaboration.