Tobechi Duru, Software Engineer

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EDUCATION

Holberton School
Professional Diploma in Software Engineering
Aug 2023 - Sept 2024
California, United States

Course Work: Data Structures, Algorithms, Operating Systems, OOP, Networking, Databases, Web Architecture

Federal University of Technology, Owerri
Bachelor of Engineering in Civil Engineering
Sept 2016 - Oct 2021
Owerri, Nigeria

Course Work: Engineering Mathematics, Computer Programming, Modeling & Simulation, Systems Analysis

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, HTML5, CSS3, SQL
Technologies: React, Next.js, Tailwind CSS, Styled Components, REST APIs, Git & Github, Jest, System Design
Cloud & Devops: Vercel, Netlify, AWS (S3/CloudFront), Elastic Beanstalk, GitHub Actions CI/CD, Docker basics
Certifications: Microsoft Github fundamentals, Implementing CI/CD in Microsoft fabric, AI for Developers
Softskills: Strong communication and teamwork abilities, Task ownership mindset and proactive attitude

EXPERIENCE

Softcity Group
Software Engineer
Jul 2024 - Present
Lagos, Nigeria

- Built and shipped frontend features and components for a cloud-based HR management platform used by **20,000**+ monthly users, improving page load performance by **28%** through rendering optimization and efficient state management.
- Reduced production UI bugs by **35%** by writing unit and integration tests with Jest and enforcing code reviews via GitHub Pull Requests.
- Improved application reliability by implementing structured frontend logging and error monitoring, cutting incident resolution time by **40%** and increasing overall user experience stability.
- Optimized client-side data handling and rendering strategy, **reducing** peak-time interaction latency and enabling the interface to scale smoothly with growing user demand.

Product Square Technologies
Frontend Engineer
Aug 2023 - July 2024
Lagos, Nigeria

- Developed frontend components for a web dashboard using React and TypeScript, increasing user task completion rates by **22%** after UI improvements.
- Integrated frontend features with backend APIs, reducing data loading time by **30%** through optimized state management and API batching.
- Implemented authentication and role-based access control using **JWT**, improving application security and user session reliability.
- Fixed high-priority **bugs** and refactored **legacy code**, reducing application crash reports by **40%.**
- Participated in code reviews and **led** technical design discussions, improving overall code quality and maintainability.

PROJECTS

Expense Management Application - Link

- Built an expense management application tracking personal and group expenses in real time. Improved data rendering speed by **40%** optimizing **state management and component updates**. Implemented secure **authentication** and authorization, ensuring safe user transactions. Integrated interactive charts and summaries for clear financial insights.
- **Tools**: React, Next.js, Shadcn UI, Tailwind CSS, Styled Components.

LEADERSHIP & AWARDS

Engineering Lead
DevByte Community - *Link*

- As Engineering **Lead** at DevByte community, I coordinate a **cross-functional** team of developers, designers, and product managers to build and scale the community's digital platform.
- I spearhead the development of a developer community platform (DCP), an **open-source** platform designed to connect software developers, highlight projects, blog posts, events, and enable knowledge-sharing. I oversee technical decision-making, guide contributors, and ensure the successful execution of our *MVP* roadmap.

Additional Information

PUBLICATIONS

Building a Simple REST API with Node.js and Express - Link   **Aug 2025**
Hashnode

Building a Reusable Notification System with JavaScript - Link   **Aug 2025**
Hashnode

VOLUNTEER EXPERIENCE

Volunteer Contributor   **Jan 2024 - Present**
freeCodeCamp

- Supported the community by contributing code, reviewing materials, and writing developer-focused articles.
- Participated in open discussions and issue resolution on **GitHub**, helping maintain resources used by **millions** of users.