

# OGBECHIE LAURA

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A Software Engineer seeking job opportunities to apply and enhance skills in software engineering, both frontend and backend, while leveraging a background in mechanical engineering, product design, and operations. You can find my projects on [github](#) and view my [portfolio](#) here.

## EDUCATION

**NILE UNIVERSITY OF TECHNOLOGY** Post Graduate Degree Software Engineering  
Software Engineering

**BELLS UNIVERSITY OF TECHNOLOGY** Bachelor of Engineering  
Mechanical Engineering  
Second-Class Upper Honors

## WORK EXPERIENCE

### **Edudesks** Oct 2024 - Present Frontend Developer

- Built a dynamic and responsive education management platform using React and TypeScript, ensuring seamless user interaction across devices.
- Designed and implemented multi-step admission forms with real-time validations using Zod and React Hook Form, allowing manual input or CSV file uploads for bulk data handling, and successfully reduced user input errors by 50% through robust form validation and inline feedback mechanisms.
- Developed data visualization components (bar charts, line graphs, and doughnut charts) with Chart.js, featuring interactive legends, custom tooltips, and dynamic styling to provide meaningful insights into income, expenses, and other metrics.
- Implemented notification systems for user feedback on validation errors, form submissions, and status updates.
- Optimized performance with lazy-loaded components and responsive designs, leading to a 30% improvement in page load time.
- Collaborated with backend developers, designers, and stakeholders to align UI/UX with business requirements and integrate APIs.
- Enhanced platform scalability by introducing custom hooks and global form states, ensuring a seamless user experience across the application.

### **ALT School Africa** Sept 2023 - Sept 2024 Frontend Development

- Developed a responsive web application using React, TypeScript, and Chakra UI, allowing users to search, filter, and view hospital details. Integrated AWS S3 for hospital data management, Firebase for admin authentication, and a Markdown editor for adding hospital entries.
- Implemented unit and integration tests using Jest and Testing Library, and set up continuous integration with GitHub Actions to ensure code quality and automated testing.
- Collaborated with a team of designers, product managers, data analysts, and backend developers to develop a full-stack mobile app for individuals on the sickle cell spectrum, utilizing React Native for the frontend, NestJS for the backend, and MySQL for the database.
- Created a website to fetch and display GitHub repositories with ReactJS, Routers, and Chakra UI; integrated an error boundary and a 404 error page to handle errors effectively.
- Developed a landing page based on a Figma design, improving proficiency with Figma's Dev mode and design-to-development workflows.

- Designed and developed an art gallery website showcasing multiple images using modern CSS grid and flexbox layouts.
- Acquired advanced JavaScript skills, including promises, async functions, DOM manipulation, modules, and import/export.

#### **Eterna PLC Dec 2021 - Oct 2024 Lead Trader**

- Sourced products efficiently to meet the needs of internal and external customers, ensuring optimal quantity, quality, and price.
- Conducted market analysis and competitive assessments to inform management decisions.
- Ensured on-time, in-full, and damage-free delivery of orders with accurate documentation.
- Adhered to and improved systems, processes, procedures, and policies.
- Achieved Gross Margin targets through effective sourcing and negotiation.
- Managed third-party import and local sourcing, including gas/crude export allocation.

### **ADDITIONAL SKILLS**

#### **Technical Skills:**

- Frontend Development: React.js, TypeScript, JavaScript, HTML, CSS, Tailwind CSS, Chakra UI, SQL
- Version Control: Git
- Design Tools: Figma, Miro
- Other: Terminal, VS Code, Browser Developer Tools, Web Performance Optimization Techniques
- Software: Microsoft Office Suite (Word, Excel)