

Emmanuel Stephen, Software Engineer

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I'm a software engineer with over 5 years of experience. I love building cool and useful digital products. I'm a problem-solver and enjoy finding clever ways to make things work well for users. I can work on all parts of a software project, from the user interface to the inner workings. My goal is to create well-built systems that people love to use. I'm always learning new things, and I'm especially interested in machine learning, artificial intelligence, and the Internet of Things.

Professional Experience

REVENT TECHNOLOGIES

Lagos, Nigeria

Frontend Developer

March 2023-Present

- Oversaw three frontend teams responsible for developing and maintaining core banking system modules (Product Factory, Customer Management, Branch Transactions Management).
- Built monofrontend applications and successfully integrated them with a microservices backend, enhancing the user experience.
- Developed role-based access control systems, ensuring authenticated users had the correct permissions to access data and functionality.
- Designed and built a versatile form builder allowing user configuration of fields and properties for different forms, facilitating seamless and dynamic data capture integration across modules.
- Spearheaded code refactoring efforts, resulting in an 80% reduction in page load times, significantly improving user experience.
- Effected a robust unit testing strategy, covering over 70% of the existing codebase and ensuring that over 50% of new code added to the projects was unit-tested, reducing code breakage by 80%.

PROJECTTENT

Remote. California, USA

Software Engineer

May 2022 - June 2023

- Developed web applications using JavaScript, ClojureScript, Elixir, Phoenix, and Phoenix LiveView, delivering responsive and performant front-end experiences.
- Built CI/CD pipelines for Phoenix applications to enhance the development/release process.
- Documented best practices, design patterns, development processes, and procedures for software installation and maintenance to improve team efficiency and ensure consistency across projects.
- Wrote comprehensive tests for application code in Elixir and ClojureScript, ensuring a test coverage of over 50% for critical code.

DESIGNPAL

Remote. California, USA

Frontend Engineer

May 2022 - February 2023

- Implemented new features and functionality on the company's website in collaboration with cross-functional teams.
- Used React and TypeScript to implement modular, scalable, and maintainable code for the student dashboard application.
- Developed and optimized forms for accepting student applications.
- Integrated the Paystack payment gateway to facilitate payments for academy applicants.

OCTAVE ANALYTICS

Contract. Lagos, Nigeria

Frontend Engineer

April 2022 - November 2022

- Developed a robust cash flow monitoring app that enabled users to track their transactions across multiple bank accounts.
- Implemented optimized real-time charts and data visualizations using React and D3.js, aiding users' understanding of their cash flow patterns.
- Successfully integrated external APIs, such as Mono, to securely connect users' bank accounts, retrieve transaction data, and provide real-time updates on cash flow.

- Developed an innovative app for diagnostic centers/hospitals, enabling them to upload study images as DICOM files from modalities.
- Designed intuitive user interfaces that streamlined medical image upload processes, leading to a 25% improvement in workflow efficiency.
- Utilized Redux as the state management library, ensuring a centralized and predictable state management approach, reducing the likelihood of data flow errors by 15%, and enhancing application reliability.

Selected Projects

Cashflow

- Frontend Engineer
- [\[View app\]](#)
- This app provides a comprehensive view of users' multi-account financial status. I used D3.js for data visualizations, Redux for state management, and integrated external APIs, enabling real-time updates for financial data.

Checkref

- Frontend Engineer
- [\[View app\]](#)
- This application aims to automate and streamline the candidate reference checking process for recruitment professionals/agencies.
 - I designed a comprehensive permission-based system that tailored features and routes based on users' roles and subscription plans, providing flexibility and security.
 - I developed functionality for users to create and manage teams, allowing them to collaborate and add team members effectively.

Solace Imaging

- Frontend Engineer
- [\[View app\]](#)
- This application simplifies the process of providing expert reporting on diagnostic studies for diagnostic centers.
 - I successfully integrated Stripe for streamlined payment management, enhancing the platform's financial operations.
 - I integrated Cornerstone, an open-source DICOM viewer library, for precise and efficient medical image interpretation.

Education

- B.Sc, Mathematics
- CGPA
- University of Lagos, Nigeria, 2019-2023
- 4.83/5.00

Languages, Tools, and Frameworks

HTML CSS Styled Components JavaScript TypeScript Angular React.js Redux Redux Toolkit Formik
React Hook Form Next.js Jest React Testing Library TailwindCSS ChakraUI Storybook Material UI D3.js
jQuery Axios PWA Yup GSAP GraphQL Webpack Babel Lighthouse Web Components Stencil.js
Elixir OTP Phoenix Phoenix LiveView PostgreSQL Ecto Mix ExUnit Node.js Python Bash Docker
Git GitHub GitHub Actions GitHub Workflows NPM VS Code Figma ESLint Notion Jira Markdown
ClojureScript GraphQL