Emmanuel Stephen, Software Engineer

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As a Software Engineer with the keen instincts of Sherlock Holmes and 4+ years of experience, I scrutinize the digital landscape with the precision of a detective. I craft intuitive user interfaces and solve complex challenges, approaching each project as a captivating mystery to unravel. My mission is to create beautiful digital experiences that leave no enigma unsolved.

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, Payments Management).
- Established mono-repo applications and led micro-services integration for enhanced development efficiency and scalability of application modules.
- Developed role-based access control systems, ensuring authorized users had the correct permissions to 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.
- Conducted code review sessions, achieving an average code quality rating of 85% and identifying/rectifying over 300 critical issues.
- Spearheaded code refactoring efforts, resulting in an 80% reduction in page load times, significantly improving user experience.
- Successfully set up SonarQube across all projects I led, leading to a 70% improvement in code quality by automatically identifying and addressing code issues, enforcing best coding practices, and ensuring higher code standards.
- 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 40%.

PROJECTTENT   Remote. California, USA
Software Engineer   *May 2022-June 2023*

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

DESIGNPAL   Remote. California, USA
Frontend Engineer   *May 2022-February 2023*

- Spearheaded the implementation of new features and functionality on the company's website in collaboration with cross-functional teams, resulting in a 25% increase in user engagement and a 15% boost in conversion rates.
- Leveraged CSS and JavaScript animations, resulting in a 15% increase in user engagement and interaction on the DesignPal website.
- Utilized React and TypeScript to implement modular, scalable, and maintainable code for the student dashboard application.
- Developed and optimized forms for accepting student applications.
- Successfully integrated the Paystack payment gateway to facilitate payments for academy applicants.

OCTAVE ANALYTICS

Frontend Engineer

Contract. Lagos, Nigeria

April 2022 - November 2022

- Developed a robust cash flow monitoring app that enabled users to track transactions across multiple bank accounts.
- Implemented optimized real-time charts and data visualizations using React and D3.js, resulting in a 40% improvement in user 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.

SOLATIUM CANADA, INC.

Frontend Engineer

Remote. Calgary, Canada

March 2021-May 2022

- 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 the 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.
- Designed a comprehensive permission-based system that tailored features and routes based on users' roles and subscription plans, providing flexibility and security.
- 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 aimed at simplifying the process of providing expert reporting on diagnostic studies for diagnostic centers.
- Successfully integrated Stripe for streamlined payment management, enhancing the platform's financial operations.
- 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

4.81/5.00

Languages, Tools, and Frameworks

HTML/CSS   JavaScript   TypeScript   React.js   Next.js   TailwindCSS   ChakraUI   Material UI   Formik   Elixir   ClojureScript   Git   GitHub   GitHub Actions   Docker   D3.js   GitHub Workflows   PostgreSQL   Figma   Jest   Webpack   Lighthouse   jQuery   Nodejs   GraphQL   Redux   Redux Toolkit   VS Code   GSAP   PWA   ESLint   Axios   Styled Components   Yup   Documentation   Notion   React Testing Library   Storybook