AUGUSTINE EDEH

Frontend Engineer

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Portfolio: https://augustines.vercel.app

SUMMARY

Enthusiastic and creative software engineer with a robust foundation in frontend technologies, including HTML, CSS, JavaScript, typescript, Reat and NextJs. Proven experience in developing responsive and user-friendly web applications through diverse personal projects. Passionate about leveraging coding expertise and innovative problem-solving to contribute effectively to a dynamic development team.

TECHNICAL SKILLS

Programming Languages/Tech stack:	JavaScript, Typescript, HTML, CSS, Bootstrap, TailwindCSS
Frameworks and Libraries:	ReactJs, NextJs, NodeJs
Databases:	MongoDB
Software Development Methodologies:	Agile, Scrum
Other Technical Competencies:	Git, RESTful APIs, Data Structures and Algorithms, Object-Oriented Programming, Vite, Vercel

PROFESSIONAL EXPERIENCE

Freelancer, Frontend Engineer   Jan. 2023 – Present

- Developed and maintained responsive web applications using HTML, CSS, and JavaScript to enhance user experience and accessibility.
- Utilized ReactJS to create dynamic and interactive user interfaces, enhancing overall web application performance and functionality.
- Optimized web applications for speed and performance, improving load times and user engagement metrics.
- Managed version control using Git, facilitating smooth collaboration and code management.

Tech Stack: ReactJs, NextJs. HTML, CSS, JavaScript, Slack.

IT Support, Air Peace   Sept. 2019 – Jan. 2023

- Collaborated with senior pilots on the B777 aircraft team to troubleshoot and resolve technical issues related to pre-flight systems and software.
- Designed and implemented a database architecture that improved website reliability and decreased response time, resulting in an overall increase in user satisfaction.
- Coordinated with IT departments to ensure integration and compatibility of new software upgrades with existing aircraft systems.
- Documented and maintained detailed records of technical issues, resolutions, and maintenance schedules for continuous improvement and compliance auditing.
- Reviewed preflight briefings and ensured that pilots had the latest weather data before embarking on their flights, enhancing flight safety and operational efficiency.

EDUCATION

- **Higher National Diploma**   Mar. 2023 – Jan. 2025

   HND. in Mechanical Engineering

- **National Diploma (Associate degree)**   Mar. 2020 – Jan. 2022

   ND. in Mechanical Engineering

PROJECTS

Countries at a glance

- Developed a responsive web application using React.js to provide comprehensive information about countries.

- Utilized the RESTful Countries API to fetch and display data on various country metrics (e.g., population, capital, language, etc.).

- Implemented dynamic search functionality to allow users to quickly find information on specific countries.

- Integrated React Router DOM for seamless navigation between different views.

- Styled the application with Tailwind CSS for a modern and consistent look and feel.

- Employed Vite for a fast and optimized development environment.

- Conducted thorough testing to ensure data accuracy and application stability.

   Tech Stack: ReactJs, Vite, TailwindCSS, Github, Vercel.

[QR Xpress](#)

- Inspired by the need for a convenient QR code scanner and generator, particularly after my inabilty to scan a prize QR code at the 2023 Google devFest Lagos conferrence I attended due to my phone not having a QR code scanning feature like my peers, I developed this versatile QR code web application using ReactJS for QR code scanning and personalized QR code generation.

- Integrated the html5-qrcode library (v2.1.5) to enable seamless QR code scanning using device cameras and local file selections.

- Implemented personalized QR code generation utilizing the goqr API, allowing users to create custom QR codes based on their input.

- Utilized React Router for smooth and declarative navigation between different application views.

- Designed a user-friendly interface with Tailwind CSS for rapid development and easy customization.

- Leveraged ViteJS for an optimized development environment with features like hot module replacement (HMR).

Tech Stack: ReactJs, Vite, TailwindCSS, Github, Vercel.

[Dynamic Calculator Web App](#)

- Engineered a versatile calculator web application supporting basic arithmetic operations such as addition, subtraction, multiplication, division, and exponentiation.

- Implemented robust error handling mechanisms to detect malformed or empty mathematical expressions, providing users with informative error messages.

- Integrated device vibration feedback (for Android mobile devices) using Web APIs to notify users of errors and malformed operations.

- Included a theme change feature with options for bright and dark themes, leveraging CSS variables for seamless theme switching.

- Implemented using HTML, CSS, and JavaScript to ensure cross-browser compatibility and platform independence.`

- Encouraged contributions from the community by facilitating pull requests and issue submissions on the project's GitHub repository.

Tech Stack: HTML, CSS, Javascript, Github.