

OZEGBE EMMANUEL

Software Engineer (Frontend)

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SUMMARY

I'm a frontend engineer dedicated to building intuitive, high-performance web applications. I specialize in crafting responsive, user-focused interfaces that blend clean design with robust functionality. With strong expertise in modern frontend technologies and seamless backend integration, I create scalable solutions that elevate the user experience. I also have a growing interest in applying machine learning to enhance personalization and interactivity in products. Passionate about writing clean, efficient code, I strive to deliver innovative, impactful solutions that bridge technology and user needs.

TECHNICAL SKILLS

Languages & Frameworks: HTML, CSS, JavaScript, TypeScript, React.js, Next.js, Node.js, Express.js, Python

Backend: Express.js, MySQL, MongoDB, PostgreSQL,

Tools & Libraries: Tailwind CSS, React Query, Styled-Components, Shadcn, Framer Motion, Prisma, REST APIs

Platforms & Practices: GitHub, Vercel, CI/CD, Figma, Version Control

WORK EXPERIENCE

Frontend Engineer

Ticketer | Remote

Aug 2025 – Oct 2025

- Contributed to the backend occasionally by implementing updates when needed.
- Worked on the frontend implementation ensuring smooth with backend APIs and responsive user interfaces.
- Collaborated on overall product strategy and rollout planning, contributing to discussions around frontend release and marketing direction

Frontend Developer [Intern]

SkySenx Limited | Warri, Nigeria

June 2024 – August 2024

- Engaged in self-paced learning in mastering core frontend technologies
- Built small-scale web projects to strengthen understanding of component-based architecture and responsive design
- Collaborated with mentors and colleagues to understand real-world software development practices, code organization and version control
- Developed core problem solving, team-work and communication skills through both learning and teaching experiences.

Frontend Developer [Intern]

Happy Equipment Limited | Port-Harcourt, Nigeria

Mar 2024 – May 2024

- Designed a professional interface that effectively showcases the company's services, equipment categories and contact channels.
- Ensured high performance and responsiveness of the application across wide range of devices.
- Worked seamlessly with the QA team on defining and designing core company features.
- Conducted various debugging and testing to ensure smooth operation of website.

PROJECTS

SnakeGame| Cartesian Genetic Programming

- Built an interactive snake game using pygame framework of python to test an AI agent that learns to play autonomously as my final year project

- Designed and implemented a hybrid AI model combining Cartesian Genetic Programming (CGP) with the A* pathfinding algorithm to evolve optimal movement strategies.
- Developed a web interface (desktop view preferably) that renders real-time AI decision-making and performance metrics for player and agent comparison.
- Optimized game rendering and logic flow for smoother simulation and improved frame rates, achieving consistent high-performance gameplay.
- Conducted experiments to evaluate agent adaptability and path optimization across dynamic environments, achieving significant improvements in survival time and food collection efficiency.
- Live Link: [CGP](#)

FoodOrder | A Food Delivery Web App

- Developed a full-stack food ordering web application that connects users with restaurants, allowing them to browse menus, place orders, and make secure payments.
- Designed and implemented the backend API using Express.js with Prisma ORM and PostgreSQL, enabling reliable data modeling and efficient database operations.
- Integrated the Kora payment gateway to handle real-time online transactions and automated order confirmations.
- Built a responsive, user-friendly frontend with Next.js, Chakra UI, and Tailwind CSS, ensuring smooth navigation and a modern user experience.
- Utilized React Query for optimized API calls, caching, and synchronization between client and server states
- Implemented essential features such as authentication, order functionality and payment validation
- Live Link: [FoodOrder](#)

GameHub | Video Game discovery Web App

- Built a responsive, data-driven React application that allows users to explore and filter video games by genre, platform, and rating
- Integrated the RAWG Video Games API to fetch and display real-time game data using React Query for efficient data fetching and caching.
- Implemented dynamic state management and search functionality to create a smooth, interactive browsing experience.
- Designed a clean, responsive interface with Chakra UI, incorporating dark/light themes and reusable components for scalability.
- Strengthened understanding of API consumption, component architecture, and frontend performance optimization through practical implementation.
- Live Link: [GameHub](#)

Quizzzy | Quiz Application

- Developed a responsive React-based quiz app that dynamically fetches questions and answers from an external Quiz API.
- Utilized React Query for seamless API data fetching, caching, and real-time state updates across quiz sessions.
- Designed a clean, engaging interface with Chakra UI, featuring progress indicators and score tracking
- Implemented state management to handle user selections, scoring logic.
- Strengthened understanding of API consumption, component architecture, and frontend performance optimization through practical implementation.

- Live Link: [Quizzy](#)

Portfolio Website | Personal Developer Showcase

- Designed and developed a responsive portfolio site using Next.js, Styled-Components, and Framer Motion.
- Showcases personal projects and work history in a sleek, performance-optimized layout.
- Integrated contact form and GitHub and LinkedIn embeds to improve outreach and networking.
- Live Link: [Emmanuel](#)

EDUCATION

B.Sc. Computer Science

Covenant University | Ota, Nigeria

Jan 2022 - Aug 2025

- GPA: 4.25/5.0
- Relevant Coursework: Data Structures & Algorithms, Distributed Systems, Software Engineering, Database Management.

INTERESTS

- **Community Engagement:** Participating in tech community events
- **Hobbies:** Video games in spare time.

