

Yashwanth Venkatesan

Full Stack Developer

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PROFESSIONAL SUMMARY

Full Stack Web Developer with 4+ years of experience building and optimizing React-based applications. Adept at enhancing user experience, improving performance, and ensuring scalable, maintainable codebases. Proven track record of delivering high-quality products on time in both independent and collaborative environments. Passionate about problem-solving, modern web technologies, and continuous learning.

SKILLS

Frontend

- HTML, CSS (Tailwind CSS)
- JavaScript (ES6), TypeScript
- React.js, Next.js, Vite
- React Native
- ThreeJS, R3F, Blender, WebGL, TSL
- Framer Motion, GSAP
- Jest, React Testing Library

Backend

- Prisma ORM, Firebase, Convex, Appwrite, Supabase
- Redux Toolkit, Context API, Zustand
- Fetch API, Axios, TanStack Query, SWR
- Zod
- Auth.js, Clerk, Stripe
- Vercel AI SDK

Other

- Git/ Github
- Local LLM Integration
- Adobe Photoshop
- AI Prompt Engineering
- VSCode
- Linux CLI
- Java, C++
- WordPress, PHP

TECHNICAL EXPERIENCE

Paleto Bay GTA 5 Roleplay Server

Front End UI/UX Developer

Jan 2023 - Feb 2025

- Successfully migrated legacy Vue.js frontend Gas Station and other roleplay dependent UIs to React.js, improving maintainability and developer experience.
- Designed and implemented Speedometer, Compass and new interactive UI components for core gameplay mechanics using React, enhancing player interaction and usability.
- Ensured component reliability and reduced bug reports by implementing unit/integration tests using Jest and React Testing Library.
- Created a custom character selection screen with modern micro-interactions using framer motion.

PROJECTS

Generative AI Chat

[Live Demo](#) | [GitHub](#)

Description: Developed a responsive, full-stack AI chat application inspired by OpenAI's interface, leveraging Next.js and the Vercel AI SDK for real-time streaming responses from OpenAI's GPT-4o. Features persistent, user-specific chat histories stored in Firebase.

Technologies: Next.js, Firebase, Authjs, Zustand, Zod, SWR, Vercel AI SDK, OpenAI, Framer Motion, Middleware, TailwindCSS, React

Achievements:

- Implemented secure user authentication (Google Auth) via Auth.js and protected application routes using Next.js Middleware.
- Utilized Firebase Firestore for real-time storage and retrieval of multiple persistent chat histories per user.
- Leveraged the Vercel AI SDK for seamless, real-time streaming of AI responses directly to the UI.
- Managed complex application state efficiently across components using Zustand.

Business Landing Page

[Live Demo](#) | [GitHub](#)

Description: Created a responsive Single Page Application demonstrating a modern web presence for a construction business, based on a professional UI design from Dribbble.

Focused on creating an engaging user experience through smooth, eye-catching animations using placeholder content.

Technologies: React.js, Tailwind CSS, TypeScript, Next.js, Framer Motion, Zustand, Zod

Achievements:

- Implemented sophisticated and performant entrance animations for components using Framer Motion, triggered dynamically based on viewport visibility (leveraging the useInView hook).
- Ensured a fully responsive layout using Tailwind CSS, delivering an optimal and consistent user experience across desktop, tablet, and mobile devices.
- Accurately translated a professional Dribbble UI concept into a pixel-precise, functional React application.
- Delivered a polished, high-quality SPA demonstrating modern front-end animation techniques and a strong focus on UI/UX detail.

SOLARITE

[Live Demo](#) | [GitHub](#)

Description: Collaborated as a Frontend Developer within a team of 3 developers (2 Frontend, 1 Backend), a Scrum Master, and Product Owner in a 6-week mock SCRUM environment to build a mobile-responsive solar panel installation planning website.

Technologies: Vite, TailwindCSS, React, Zod, supabase, Mapbox

Achievements:

- Implemented secure user authentication pages (Login, Registration, Sign-up) featuring robust client-side validation using Zod.
- Integrated the Mapbox API to display interactive maps and retrieve optimized routing data, core to the application's functionality.
- Designed and developed the primary employee dashboard interface, focusing on intuitive user experience and data presentation.

EDUCATION

Bachelor of Information
Communication Technology - 2022

Minor in Computer Science - 2022

RELEVANT COURSES

Content Management Systems

Linux Systems Administration

Semantic Web Development

ALGORITHM DESIGN AND ANALYSIS

CERTIFICATIONS

Advanced React (Scrimba)
- November 2022

Professional React &
Next.js 14 Course (ByteGrad)
- March 2024

Three.js Journey – February 2025