

Vyshakh K

MERN Stack Developer

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PROFESSIONAL SUMMARY

Frontend Engineer with 2+ years building production-grade React applications and intuitive user experiences. Experienced in delivering end-to-end product features, optimizing performance (Core Web Vitals), and integrating real payment flows. Thrives in high-ownership environments - previously owned client projects from concept to deployment and collaborated cross-functionally to ship features. Quick learner with strong problem-solving ability and a bias for action.

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, C

Frontend Technologies: React.js, Next.js, Redux, HTML5, CSS3 (Flexbox, Grid, responsive design), TailwindCSS, Bootstrap, WordPress

Backend Technologies: Node.js, Express.js, RESTful APIs, WebSockets, JWT Authentication

Databases: MongoDB, MySQL, Notion, Firebase

DevOps & Deployment: Docker, AWS (S3, EC2), CI/CD, Git, GitHub, NGINX, Cloud Services

Development Tools: VS Code, MongoDB Compass, MySQL Workbench, Figma, Postman,

EXPERIENCE

Full Stack Developer (Freelance)

Self-employed

📅 January 2025

- Owned features end-to-end for multiple client projects including e-commerce platforms and venue booking systems - from requirements to deployment.
- Delivered full-stack solutions using React.js, Node.js, and MongoDB, working directly with clients to understand needs and iterate quickly.
- Built responsive, cross-browser compatible interfaces using CSS Flexbox, Grid, and modern frontend best practices.
- Gained hands-on experience with DevOps processes, system architectures, and deployment pipelines to ensure scalability.

Full Stack Engineer

ysquare Technology, Chennai

📅 June 2024 - January 2025

- Built and maintained MegaCabs, a React-based Transport Management System with complex dashboards, real-time status updates, and dynamic data tables for fleet and booking management.
- Engineered responsive, performant UI components using React hooks, Context API, and advanced state management; improved page load times and user experience
- Partnered with SEO and performance teams to implement optimization strategies, resulting in improved Core Web Vitals and enhanced page rankings.
- Collaborated cross-functionally to deliver new features and performance enhancements to production systems

- Integrated WordPress with GraphQL for efficient headless CMS architecture, enabling dynamic content rendering.
- Implemented server-side actions and API integrations for real-time form submissions, enhancing workflow automation

PROJECTS

Venue Booking Solution - Mandabam

[Live Link](#) | [GitHub \(Server\)](#) | [GitHub \(Client\)](#)

Full-stack venue booking platform handling real transactions and real-time communication between users and vendors. Deployed and serving live users. **Features:**

- **Razorpay:** Secure payment processing for real-world transactions.
- **Real-time Chat:** Socket.IO-powered messaging between users and vendors,
- **Role-based Access:** Tailored experiences for Users, Vendors, and Admins.
- **Responsive Design:** Mobile-first UI built with Tailwind CSS.

Technologies: React.js, Redux, Node.js, Express.js, MongoDB, Socket.IO, Razorpay, AWS S3, Cloudinary, JWT, Tailwind CSS

Manufacturing Company Website - Nuvaro

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

Next.js 14 full-stack web application for aluminum fenestration manufacturer. Delivered responsive frontend with GSAP scroll animations, headless CMS integration, and automated lead generation pipeline.

- Engineered high-performance GSAP animations and responsive layouts to create a premium digital presence, significantly improving User Experience (UX) and brand perception.
- Optimized Core Web Vitals and frontend architecture for maximum speed, achieving top-tier SEO rankings and implementing an automated lead generation pipeline to capture business inquiries

Technologies: Next.js 14, TypeScript, React.js, GSAP, Tailwind CSS, WordPress Headless CMS

AI-Powered Knowledge Assistant (F1RAG)

[GitHub](#)

- Architected a privacy-first RAG (Retrieval-Augmented Generation) system that embeds real-time Wikipedia data into a Vector Database for context-aware AI responses.
- Integrated LangChain with Ollama to run Large Language Models (LLMs) locally, ensuring data security and zero-latency dependence on external APIs.
- Built a performant chat interface that handles streaming responses and state management, providing a seamless "ChatGPT-like" User Experience (UX).

Technologies: React.js, Node.js, Express.js, REST APIs

EDUCATION

Bachelor of Computer Application

2017 - 2020

IHRD College, Calicut

CERTIFICATIONS

Generative AI: Prompt Engineering Basics

[Certificate Link](#)

Coursera

Acquired skills in crafting effective prompts to guide Large Language Models (LLMs) and generate desired outputs.

Introduction to Generative AI

[Certificate Link](#)

Coursera

Gained a foundational understanding of Generative AI concepts, applications, and how it differs from traditional AI.