VYSHAK HARIKUMAR

Frontend Developer | React.js | TypeScript | Next.js

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Portfolio | LinkedIn | GitHub

PROFESSIONAL SUMMARY

Frontend Developer with 3+ years of experience architecting and scaling enterprise web applications across Aviation, EdTech, FinTech, and AI domains. Specialized in React.js, TypeScript, and Next.js, with hands-on experience in micro-frontend architecture, AI agent platform development, conversational AI interfaces, and secure authentication flows. Currently driving frontend architecture and mentoring junior developers on an AI-powered agent platform supporting automated voice, SMS, and email workflows, including a reusable Chatbot SDK with speech-to-text and real-time transcript streaming. Skilled at translating complex business requirements into scalable, reusable component systems using modern state management and clean API design.

CORE SKILLS

Languages & Core: JavaScript (ES6+), TypeScript, HTML5, CSS3

Frontend & State: React.js, Next.js, Redux, Zustand, React Query

AI & Real-Time: LLM-Powered Conversational Interfaces, Speech-to-Text (STT), Voice Capture, Real-Time Transcript Streaming

Styling & UI: Tailwind CSS, Material UI, Responsive Web Design

Backend & Data: Node.js, Express.js, MongoDB, PostgreSQL, REST APIs, Zod

Authentication & Security: JWT, OAuth, Secure Session Management, Protected Routing

Architecture & Practice: Micro-Frontend Architecture, Agile/Scrum, Reusable Component Design, Code Review & Mentoring

Tools & Cloud: Git, GitHub, AWS, Azure, Axios

PROFESSIONAL EXPERIENCE

Frontend Developer | Verveo Solutions Pvt Ltd | Bengaluru *Nov 2025 – Present*

- Leading frontend development of an AI Agent Platform similar to Retell AI and Outreach, supporting AI-powered inbound/outbound calls, SMS, email campaigns, knowledge bases, and workflow automation, using React.js and TypeScript.
- Built a reusable Chatbot SDK, published as a private GitHub package, providing speech-to-text (STT), voice capture, real-time transcript streaming, and session management across multiple applications.
- Implemented secure authentication flows using JWT and OAuth, including protected route handling and session management.
- Built an enterprise Airport Revenue Management Platform from scratch as lead frontend developer for US-based clients, covering lease management, rent collection, revenue tracking, and reporting dashboards.
- Contributed to multiple US FinTech products, supporting frontend development within existing workflows and business logic.
- Driving frontend architecture, reusable component development, code quality standards, and mentoring junior developers.

Software Development Engineer I | Navneet Toptech | Bengaluru *Sep 2024 – Nov 2025*

- Contributed to a large-scale Learning Management System (LMS) used by schools across India, implementing complex business logic and dynamic content management with React.js, Node.js, and TypeScript.
- Improved frontend performance through lazy loading, code splitting, and state management best practices, reducing load times and improving perceived responsiveness.

Front-End Developer | Digiblock Network Solutions | Remote *Jan 2024 – Aug 2024*

- Built a Solana blockchain-based platform end-to-end using Next.js (frontend) and Node.js (backend).
- Developed a SaaS application in React.js with a reusable, well-documented component library, prioritizing clean and maintainable code.
- Delivered features within tight timelines as part of an agile team, balancing speed with code quality.

MERN Stack Web Development Intern | Luminar Technolab | Ernakulam *Jul 2023 – Dec 2023*

- Developed full-stack web applications using React.js, Node.js, MongoDB, and Express.js, strengthening debugging, testing, and deployment skills.
- Gained hands-on experience delivering dynamic projects in an agile development environment.

EDUCATION

Bachelor of Technology

APJ Abdul Kalam Technological University | Kottayam, Kerala | Aug 2016 – May 2020