

Jenil Mangukiya *Software developer*

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👤 About me

- Senior Full-Stack Developer with 5+ years of experience building scalable web applications, modern frontend architectures, and AI-powered platforms.
- Specialized in React.js, Next.js, TypeScript, Node.js, Express.js, MongoDB, and MySQL, with strong expertise in building maintainable, enterprise-grade applications. Experienced in leading frontend development for large-scale platforms, including Microfrontend architectures using Module Federation and Monorepo strategies. Proficient in modern frontend technologies, state management, API integrations, and system design, delivering solutions that balance performance, scalability, and developer productivity.
- Passionate about clean architecture, reusable component systems, and technical leadership, with experience mentoring developers, driving technical decisions, and collaborating across cross-functional teams to deliver business-critical products.

📁 Professional Experience

Surat, India

Codewinglet PVT LTD (Freelance Senior Frontend Developer / Team Lead)

- Tech Stack: React.js, TypeScript, Next.js, Module Federation, Microfrontends, Monorepo
- Led frontend architecture and development for an AI-powered platform as part of a 20-member cross-functional team.
- Designed and implemented a Microfrontend architecture using Module Federation, enabling independent development, deployment, and scaling of frontend applications.
- Built modular applications for Super Admin, Seller, and Customer portals within a Monorepo environment.
- Developed responsive and interactive user interfaces for AI-driven workflows, real-time data visualization, and user management systems.
- Integrated frontend applications with AI services and backend APIs, ensuring seamless data flow and user experience.
- Established reusable component libraries, frontend standards, and scalable project structures to improve maintainability and development efficiency.
- Mentored developers, participated in architecture discussions, code reviews, and technical planning as one of the team leads.

Surat, India

Codewinglet PVT LTD (Senior full stack developer)

- Tech Stack: React.js, CodeIgniter, Next.js, TypeScript, MySQL, Express.js, Node.js
- Extended development responsibilities to backend technologies, leveraging Node.js and Express.js for server-side logic and API development.
- Integrated the frontend with backend systems using RESTful APIs, ensuring smooth data flow and efficient communication.
- Designed and managed databases using MySQL, optimizing queries and ensuring data integrity.
- Participated in debugging, code reviews, and performance optimization sessions, maintaining high-quality, scalable, and maintainable code.

Surat, India

YRHP india (Full stack developer)

- Tech Stack: PHP • MySQL • AJAX • JQUERY • BOOTSTRAP
- Developed an online street food vendor application with vendor registration, menu management, and order tracking.
- Used Bootstrap for mobile responsiveness and jQuery for interactive UI components.

- Managed MySQL database for efficient data storage and retrieval.
- Implemented AJAX for smooth, asynchronous interactions.
- Enhanced security with input validation and session management.

Education

2020 – 2023 Bhavnager, India	Bachelor of Engineering (Computer Engineering) <i>Gyanmanjari Institute of Technology</i> CGPA: 8.50
2017 – 2020 Surat, India	Diploma in Engineering (Computer Engineering) <i>Tapi Diploma Engineering College</i> CPGA : 9.65

Skills

ReactJs | NextJs | Typescript | Javascript | Tailwind CSS | ExpressJs | Node js | Codeigniter | Git |
Mysql | PHP | HTML/CSS | Postgres | GraphQL | Prisma | Redux | React router | MUI |
Socket.io | Docker

Projects

AstraFlow AI – Enterprise AI Automation & No-Code Platform

- Led frontend architecture and development for an AI-powered automation platform, implementing a Microfrontend architecture using Module Federation within a Monorepo environment.
- Built a no-code application builder enabling users to create custom entities, dynamic forms, workflows, dashboards, and business applications without coding.
- Developed advanced data management experiences including configurable grid views, Kanban boards, dashboards, analytics, and role-based application customization.
- Implemented workflow automation systems capable of triggering actions based on record updates, form submissions, and user-defined business events.
- Integrated AI assistants with organizational data and uploaded documents, enabling natural-language interactions and intelligent knowledge retrieval.
- Established reusable component libraries, frontend standards, and scalable architecture while collaborating with cross-functional teams and mentoring developers.

Chatter (Realtime chat messaging application)

- A full-featured chat application enabling real-time messaging with secure user authentication and profile management.
- Users can register, log in, engage in direct or group chats, view and update profiles, and manage friend requests. Built with a robust backend using Node.js and MongoDB, this app ensures efficient data handling and smooth interactions.
- Key functionalities include secure messaging, friend request management, and group chats, offering an engaging social experience in a secure, scalable platform.

SmartBin (Sustainable Smart Resource Management Solutions)

- Developed a system to manage assets equipped with smart sensors.
- Features include real-time location tracking, sensor data integration to monitor asset status, and functionalities to track usage and maintenance.
- Built a user-friendly interface for efficient asset monitoring and management.

Web3 and Blockchain (Cross-chain platform)

- Created a blockchain explorer for a custom chain, showcasing transaction data and network activity.
- Developed multiple frontend solutions for blockchain-based products, integrating with backend chains and ensuring seamless user experiences.

FlowWork (Staffing Software Solutions | Back-Office Services)

- Developed a comprehensive solution to manage employee payouts and other staffing needs.
- Implemented features like bulk data import, employee management, and detailed payroll handling.
- Built the platform using Next.js, ensuring scalability and efficient user experience.

DigiRestro (A QR Code-Based Restaurant Management System)

- Designed and implemented a system that enhances customer satisfaction and streamlines restaurant operations.
- Features include QR code-based menu access, order notifications, waiter-calling functionality, automated billing with discount options, and comprehensive reporting.

Real Estate Investor-Matching System (AI based investor searching system)

- Automated the process of matching investors with properties based on various parameters.
- Developed a pipeline to extract investor profile data from PDFs, convert them to text, and store the information in MongoDB.
- Integrated a custom GPT model for intelligent query handling.
- Built the frontend using React.js with login and authentication features.