

# Manan Mandaliya

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## PROFESSIONAL SUMMARY

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Full Stack Engineer with 5+ years of experience building scalable SaaS applications, enterprise dashboards, and Web3 platforms. Strong expertise in React.js, TypeScript, frontend architecture, state management, and API integration, with hands-on experience in Node.js, Express.js, and MongoDB. Experienced in Solidity smart contracts, DeFi/NFT integrations, and AI-assisted development.

## TECHNICAL SKILLS

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**Frontend Development:** React.js, TypeScript, JavaScript (ES6+), Next.js, Vue.js, HTML5, CSS3, Tailwind CSS, shadcn/ui, Bootstrap

**State Management & Forms:** Redux Toolkit, RTK Query, Pinia, Vue Composables, React Hook Form, Zod

**Backend Development:** Node.js, Express.js, REST API Development, Business Logic, Middleware, JWT Authentication, RBAC, Request Validation

**Databases:** MongoDB, Mongoose, PostgreSQL, Schema Design, Data Modeling, Query Optimization

**Web3 & Blockchain:** Solidity, Ethers.js, Web3.js, Wagmi, RainbowKit, Hardhat, OpenZeppelin, ERC-20, ERC-721, ERC-1155

**Infrastructure, Tools & AI:** AWS EC2, AWS S3, Docker, Git, GitHub Spec Kit, n8n, OpenAI, Claude, Mistral, Groq, IndexedDB

## PROFESSIONAL EXPERIENCE

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### Sr. Software Engineer | IITIL, Hyderabad | May 2026 – Present

- Architect frontend solutions across 6+ HRMS modules using React.js and TypeScript, establishing reusable component patterns and type-safe API contracts.
- Build reusable UI components with Tailwind CSS and shadcn/ui, promoting consistent design patterns and maintainable frontend architecture.
- Integrate backend APIs using Redux Toolkit and RTK Query, implementing caching, mutation handling, and cache invalidation for reliable server-state synchronization.
- Contribute to database schema design and backend business logic in collaboration with the team, aligning data models and application workflows with enterprise HRMS requirements.
- Implement RBAC, schema-validated forms, and scheduling workflows, using GitHub Spec Kit and AI-assisted development to translate requirements into structured implementation plans.

### Software Engineer | Helios Solutions, Vadodara | May 2024 – May 2026

- Developed full-stack features for dashboards, authentication, and dynamic forms using React.js, Next.js, Express.js, and MongoDB.
- Contributed to REST API development, implementing business logic, JWT authentication, RBAC, and request-validation middleware in collaboration with backend development efforts.
- Optimized MongoDB data models by embedding related documents where appropriate, reducing query overhead and improving performance by 30–35%.
- Built reusable UI components and type-safe forms using React, Redux Toolkit, RTK Query, React Hook Form, Tailwind CSS, and Zod.
- Implemented offline data persistence using IndexedDB and supported application deployment on AWS EC2 and S3.

### Software Engineer | Alite Projects, Vadodara | July 2021 – May 2024

- Developed and tested Solidity smart contracts using Hardhat and ERC-20/ERC-721 standards, executing 800+ testnet transactions and optimizing gas consumption by 10%.
- Progressed from intern to full-time Software Engineer, contributing to Web3 applications, frontend development, and blockchain integrations.
- Built React.js Web3 interfaces using Ethers.js and RainbowKit, integrating 6+ wallet providers and real-time transaction tracking to improve wallet connectivity and transaction visibility.

- Developed responsive, reusable interfaces using React.js, JavaScript, HTML5, CSS3, Bootstrap, and jQuery, improving UI consistency and maintainability across decentralized applications.

## PROJECTS

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### HRMS – IITIL | Enterprise SaaS

- Developed features across nine HRMS modules using React.js and TypeScript, covering employee lifecycle, organization management, leave, attendance, and document management.
- Implemented permission-aware interfaces using role-based access control (RBAC) to support secure, role-specific enterprise workflows.
- Built interactive Leave, Holiday, and Attendance calendars using FullCalendar, alongside validated workflows for shifts, rosters, overtime, and employee requests.
- Applied specification-driven development with GitHub Spec Kit to translate requirements into implementation plans and coordinate frontend development with backend API contracts.

### SoIBI – Helios Solutions | Chat-Driven Business Intelligence

- Developed a chat-driven Business Intelligence platform using Next.js and React, enabling natural-language business data queries and interactive dashboards.
- Implemented Server-Sent Events (SSE) to stream AI-generated responses incrementally, enabling users to view results as they arrived.
- Integrated Plotly and React-Leaflet to deliver interactive data visualizations, trend analysis, and geospatial insights.
- Contributed to backend development using Express.js and MongoDB, implementing REST APIs and data models for chat sessions and saved dashboards.
- Managed application state and caching with Redux Toolkit, mitt, and IndexedDB, alongside localization, PayPal integration, and a validated query editor.

### Accomplishr – Helios Solutions | Publishing & Video Sessions

- Developed a modular publishing platform using Nuxt.js, Vue Composables, and Pinia, supporting blog creation and content management.
- Integrated Zoom Video SDK and event-driven communication with mitt to support virtual fireside chats and video sessions.
- Built session-booking workflows using Zod validation and date-fns, delivering responsive interfaces for scheduling, blogs, chat, and session management.

### Solidify – Alite Projects | DAPP

- Developed a Web3 DApp using Next.js, React.js, and Tailwind CSS, integrating blockchain functionality through RainbowKit, Wagmi, and ERC-20/ERC-721 smart contracts.
- Implemented ICO, governance token, and airdrop features, contributing to application schema design and smart contract testing using Hardhat..

## EDUCATION

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**Bachelor of Engineering** | Neotech Technical Campus (GTU) | 2016 – 2020 | CGPA: 7.25

**Higher Secondary (GSEB)** | 2014 – 2016