TUSHAR THARWANI

MERN Stack Developer | Node.js, MongoDB | Redis, TypeScript, GenAI

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PROFESSIONAL SUMMARY

Junior MERN Stack Developer with hands-on experience building scalable full-stack applications using **React, Node.js, Express, and MongoDB**. Skilled in API design, authentication, caching, invoice systems, and performance optimization. Experienced in delivering production-ready solutions, leading feature development, and collaborating effectively with cross-functional teams.

WORK EXPERIENCE

Software Engineer — Techriigour IT Solutions Pvt. Ltd.   Jun 2024 - Dec 2025

- **Developed VRetail**, a full-stack **invoice and inventory management** system for merchants, covering vendor, employee, and billing workflows.
- Implemented modules including **Invoice, Vendor, Customer, Purchase Order, Analytics, and Inventory,** with complete frontend–backend integration.
- Designed **REST APIs**, database schemas and implemented JWT authentication with role-based access control.
- **Optimized** API performance and ensured secure **CRUD operations**.
- **Led** architecture decisions and independently delivered major features.
- **Created** the **VRetail Admin Portal** for internal users with full backend ownership.
- Developed a static landing website for **B2BSurge** using **Next.js**, focusing on **SEO optimization** and **responsive design**.

Tech Used: Javascript (ES6+), React.js, Node.js, Express, MongoDB, Next.js, Tailwind, JWT, REST APIs.

Software Engineer Intern — Techview Infotech Pvt. Ltd.   Nov 2023 – Jan 2024

- Built **responsive, cross-browser-compatible UIs** using HTML5, CSS3, and Bootstrap, improving mobile usability.
- Integrated frontend with backend API endpoints and debugged issues for smooth performance.
- Mentored a **7-member intern team**, managed Agile sprints, and ensured timely delivery of milestones.
- Conducted peer code reviews and maintained **team coding standards**.

Tech Used: HTML5, CSS3, JavaScript, Bootstrap, Git, Agile Methodologies.

PROJECTS

FindStay — Real Estate Web App (MERN, TypeScript, Redis), Redux   [Github](#)

- Built a full-stack real estate platform with advanced search, filters, sorting, and pagination using the **MERN stack** and TypeScript.
- Implemented secure **Google OAuth** authentication via Firebase and integrated user management with backend REST APIs.
- Optimized property data retrieval using **Redis** caching and **React Query**, improving API performance and UI responsiveness.
- Developed an **AI-powered chatbot** using Google Gemini with **RAG architecture** to provide context-aware property and platform responses.
- Developed a map-based **property view** with live directions and location preview.

Live Demo: https://findstayy.vercel.app/

Video App – YouTube-Like Backend (Node.js, Express, MongoDB, JWT, Multer)   [Github](#)

- Built a **modular backend** supporting videos, likes, comments, playlists, and subscriptions.
- Implemented **JWT authentication**, secure file uploads with Multer, and structured API routing.
- Optimized **MongoDB queries** for performance and scalability.
- Designed **RESTful APIs** with validation, error handling, and clean architecture.

SKILLS

- **Languages:** JavaScript (ES6+), TypeScript, Ruby (Basic)
- **Frontend:** React.js, Next.js, HTML5, CSS3, Tailwind CSS, Bootstrap
- **Backend:** Node.js, Express.js, REST APIs, Authentication (JWT), Redis (Caching)
- **Database:** Mongodb, MYSQL
- **Tools & Deployment:** Git, GitHub, Postman, Vercel, Netlify, Render
- **Concepts:** OOP, Caching, State Management, Agile Methodologies, AI Integration, Generative AI, RAG
- **Soft Skills:** Communication, Problem Solving, Team Leadership, Ownership

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EDUCATION

BBA (Computer Applications)   **2021 – 2024**

Pratibha College of Commerce & Computer Studies (SPPU)
- CGPA: 8.44 (A+)

HSC - Commerce   **2019 – 2021**

Jai Hind Jr. College
- 80.66%