Tushar Tharwani
Junior MERN Stack Developer (React, Node.js, MongoDB)

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PROFESSIONAL SUMMARY

Results-driven Junior MERN Stack Developer with hands-on experience in building scalable, full-stack web applications using React, Node.js, Express, and MongoDB. Skilled in real-time features, caching, authentication, and clean architecture. Adept at delivering production-ready solutions that enhance user experience and business value.

WORK EXPERIENCE

Software Engineer, *Techriigour IT Solution Pvt. Ltd.* Jun 2024 – Present

- Architected and developed **VRetail**, a full-stack invoice and inventory management web app, improving operational efficiency across vendor, employee, and analytics workflows.
- Engineered core modules — *Vendor, Invoice, Purchase Order, and Inventory* — including API design, database schema modelling, and frontend integration using React and Node.js.
- Implemented **JWT authentication**, role-based access control, and secure CRUD operations to protect admin and user data.
- Optimised RESTful APIs with MongoDB and Express for smoother invoice processing and faster response times.
- Collaborated on system planning and architecture decisions; later led independent feature delivery, maintaining the project single-handedly post-deployment.
- Built **VRetail Admin**, an internal management dashboard for merchants and support staff — fully responsible for backend logic, API layer, and access control.
- Developed a static product website using Next.js, focused on SEO performance, responsiveness, and scalability for future app integration.
  Tech Stack: React.js, Node.js, Express.js, MongoDB, Next.js, Tailwind CSS, JWT, REST APIs

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

- Built cross-browser-compatible and responsive UIs using HTML5, CSS3, and Bootstrap, improving mobile usability.
- Collaborated with backend developers to integrate API endpoints, debug frontend issues, and maintain consistent design standards.
- Led and mentored a 7-member intern team, managing Agile sprints and ensuring on-time delivery of project milestones.
- Conducted peer code reviews and contributed to maintaining code quality and team-wide best practices.
  Tech Stack: HTML5, CSS3, JavaScript, Bootstrap, Git, Agile Methodologies

PROJECTS

FindStay – *Real Estate Web App (MERN, TypeScript, Tailwind CSS, Redis Caching)* [GitHub](#)

- Built a property listing platform with advanced search, filtering, and Google OAuth authentication.
- Integrated Redis caching to accelerate property data retrieval and enhance API response speed.
- Added lazy loading and a "View on Map" feature with real-time directions to improve user experience.
- Crafted REST APIs and incorporated React Query for live, responsive data updates.
- **Live Demo:** https://findstayy.vercel.app/

Video App – *YouTube-like Backend (Node.js, Express, MongoDB, JWT, Multer)*   [GitHub](#)

- Engineered a modular backend supporting videos, likes, comments, playlists, subscriptions, and tweets with REST APIs.
- Integrated JWT authentication and secure file uploads, ensuring user data protection and media security.
- Optimised database queries and middleware for caching, enhancing system performance and scalability.

Music Academy – *Online Courses Website (Next.js, Tailwind CSS)*   [GitHub](#)

- Constructed a responsive platform for browsing and enrolling in music courses with advanced search and filtering.
- Enhanced performance and SEO using Next.js static generation and dynamic routing.
- Designed a mobile-first UI to maximise user engagement and accessibility.
- **Live Demo:** https://musicaacademy.vercel.app/

Giggle – *Real-Time Chat App (React.js, Node.js, Socket.IO)*   [GitHub](#)

- Developed a real-time chat system supporting emojis, timestamps, and multi-user rooms using WebSockets and Socket.IO.
- Streamlined frontend-backend integration with React Hooks and Express.js for low-latency messaging.
- Delivered a responsive UI for seamless cross-device usability.

SKILLS

Languages: JavaScript (ES6+), TypeScript, Ruby (Beginner), C
Frontend: React.js, Next.js, HTML5, CSS3, Tailwind CSS, Bootstrap, State Management (React Context, Hooks)
Backend: Node.js, Express.js, RESTful APIs, Authentication (JWT), Redis (Caching), OOP Concepts
Databases: MongoDB, MySQL
Tools & Deployment: Git, GitHub, Postman, Vercel, Netlify, Render
Practices: Agile Methodologies, Responsive Design, Cross-Browser Compatibility, API Integration
Soft Skills: Team Leadership, Communication, Problem Solving, Collaboration, Time Management

EDUCATION

Pratibha College of Commerce and Computer Studies, BBA(CA)   Aug 2021 – Apr 2024

- Pune University
- CGPA: 8.44 (Grade A+)

Jai Hind Jr. College, Pune (HSC)   Aug 2019 – Jul 2021

- Percentage: 80.66%