

Jay Vyas

MERN Stack Developer

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Profile

MERN Stack Developer passionate about backend architecture and secure API development. Skilled in JWT, MongoDB, Redis, BullMQ, and Cloudinary integration. Proficient in building production-grade systems, with strong foundations in system design, scalability, and agile collaboration.

Skills

- HTML, CSS, Tailwind
- JavaScript, TypeScript
- React.js, React Router
- Node.js, Express.js
- MongoDB, Mongoose
- REST APIs, JWT Auth
- Cloudinary, BullMQ, Redis
- Postman, Git, GitHub

Tech Stack

Frontend: React, HTML, CSS, JavaScript, Tailwind

Backend: Node.js, Express, MongoDB, JWT, REST

Tools: Git, GitHub, Postman, Redis, BullMQ, Cloudinary

Design & Methodologies: Lucidchart, Agile, System Design

Projects

Hotel Management System

React, Node.js, MongoDB

- Engineered a full-stack application facilitating room bookings, guest management, and billing processes.
- Designed optimized MongoDB schemas and RESTful APIs to ensure efficient data handling.
- Implemented a user-friendly interface with React to streamline hotel operations.
- Link: <https://github.com/jayvyas0501/Hotel-Management/>

Real Estate Platform

React, Node.js, Stripe, Redis

- Built a real estate booking platform featuring secure payment processing through Stripe integration.
- Utilized Redis for caching and session management to enhance application performance.
- Structured the application to support scalability and maintainability.
- Link: <https://github.com/jayvyas0501/Real-Estate>

Airbnb Clone – Wanderlust

Node.js, Express, MongoDB, EJS, Passport.js, Cloudinary

- Developed a feature-rich Airbnb clone enabling users to create listings, upload images, and post reviews.
- Implemented user authentication using Passport.js and managed media uploads with Cloudinary.
- Incorporated flash messaging and form validation to enhance user interaction and data integrity.
- Link: <https://github.com/jayvyas0501/Wanderlust>

LMS Platform

Node.js, React, JWT, Cloudinary, Joi

- Developed a comprehensive Learning Management System supporting multiple user roles with secure authentication mechanisms.
- Integrated Cloudinary for efficient media uploads and implemented robust form validation using Joi.
- Emphasized modular code architecture and responsive design for enhanced user experience.
- Link: (Private)

Work Experience

MERN Stack Developer Intern

Way to Web Pvt. Ltd, Ahmedabad

- Developed and maintained scalable, secure REST APIs using Express.js and MongoDB.
- Designed Mongoose schemas and implemented data validation and middleware logic for production-grade applications.
- Integrated Redis and BullMQ to implement job queues for handling high-volume tasks like email delivery and background processing.
- Handled complex backend features like JWT authentication, authorization, role-based access, and route protection.
- Worked with Cloudinary for file uploads and media management, especially images and videos.
- Built user modules with secure login, registration, password reset, and session handling.
- Documented API contracts using Postman and participated in weekly sprint reviews and agile standups.
- Implemented backend logging, error handling, and modular folder structure for scalable microservice-style backend systems.

Education

M.Sc. IT – CHARUSAT University (2025 | CGPA: 7.73)

B.Sc. IT – CHARUSAT University (2023 | CGPA: 6.88)

HSC (12th Science) – Jeevanshilp, Gujarat Board (2020 | 55%)

Certifications

- Industry 4.0 & IIoT — NPTEL, IIT Kharagpur (April 2024)
- Industrial IoT — NPTEL, IIT Kharagpur (Nov 2024)
- MERN Stack Internship — Way to Web (2025)

Languages

- Gujarati (Native)
- Hindi (Fluent)
- English (Proficient)

Hobbies

- Volunteering
- Exploring Tech Innovations
- Playing Sports
- Traveling
- Creative Thinking