

PRASHANT KUMAR CHATURVEDI

Full-Stack JavaScript Developer (MERN)

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PROFESSIONAL SUMMARY

Full-stack JavaScript developer with 2+ years of experience building and deploying production web applications, including a multi-tenant school ERP and finance platform and a microservice-based food ordering system. Skilled in React, TypeScript, Node.js, MongoDB, Redis, RabbitMQ, and Docker. Founder of SchoolMix and creator of Small Town Coder, a coding channel with 16,800+ subscribers.

TECHNICAL SKILLS

Frontend: React 18, TypeScript, JavaScript (ES6+), Vite, Next.js, Tailwind CSS, Shadcn UI, Radix UI, Recharts, PWA
Backend: Node.js, Express.js, REST APIs, JWT authentication, role-based access control, Socket.IO, webhooks, microservices
Databases & Messaging: MongoDB, Mongoose, PostgreSQL, Redis, RabbitMQ, aggregation pipelines, bulk operations
Integrations & Documents: Razorpay, Stripe, WhatsApp Cloud API, Nodemailer/SMTP, PDFKit, print CSS
DevOps & Tools: Git, GitHub, GitHub Actions, Docker, Docker Compose, AWS EC2, Hostinger VPS, Caddy, Nginx, Linux

EXPERIENCE

Founder & Full-Stack Developer | SchoolMix | 2026 - Present

- Built and run a multi-tenant school ERP and fee-management platform for Indian private schools, serving 2 schools and 1000+ students.
- Automated fee invoicing, Razorpay payment reconciliation, and receipt generation, cutting manual fee-tracking effort by 90%.
- Implemented role-based access, parent-child ownership checks, and audit-safe reversible operations to protect data integrity for 200+ active users.
- Deployed with Docker Compose and Caddy/Nginx on VPS/AWS with automated backup and restore.

Freelance Full-Stack Web Developer | Self-employed | 2024 - Present

- Delivered 5+ web applications end to end, from requirements and responsive UI to REST APIs, database design, and deployment.
- Built authentication, dashboards, CRUD workflows, and third-party integrations using the MERN stack and Next.js for multiple clients.
- Worked independently on technical decisions and troubleshooting, balancing usability, data integrity, and maintainability.

Technical Educator & Content Creator | Small Town Coder (YouTube) | 2024 - Present

- Grew a coding channel to 16,800+ subscribers and 700,000+ views through project-based software development tutorials.
- Published 100 long-form tutorials on MERN applications, Next.js, microservices, Redis caching, RabbitMQ, Docker, and deployment.

PROJECTS

School ERP & Automated Financial Management Platform | SaaS, Multi-Tenant | schoolmix.in

- Designed a full-stack platform covering invoicing, fee collection, reconciliation, attendance, examinations, inventory, expenses, and parent-teacher communication.
- Built batch invoice creation with undo, itemized fee heads, fines and concessions, advance-credit application, cash/UPI/cheque tracking, and Razorpay webhook-based payment updates.
- Implemented MongoDB aggregation-based reporting, bulk-write workflows, indexed receipt-number uniqueness with collision handling, and soft-delete restoration.
- Added phone-based authentication, Socket.IO live updates, WhatsApp notification workflows, and PDFKit receipt and report generation.
- Tech:** React 18, TypeScript, Node.js, Express, MongoDB, Razorpay, Socket.IO, PDFKit, Docker.

Tomato - Food Ordering & Delivery Platform | Microservices | youtu.be/79F36yYEDyo

- Built a Zomato-style platform with separate Auth, Restaurant, Rider, Admin, and Realtime services.
- Used RabbitMQ for asynchronous service communication and Socket.IO for live order updates and rider tracking.
- Integrated Razorpay and Stripe payments; deployed on Vercel and Render, with RabbitMQ hosted in Docker on AWS.
- Tech:** MERN, RabbitMQ, Redis, Socket.IO, Docker, Razorpay, Stripe, AWS, Vercel, Render.

EDUCATION

B.Sc. Physics (Honours) | S.P.D College, Garhwa | 2024