

MITUL CHAVDA

Full-Stack Software Engineer (React • Next.js • TypeScript • Node.js • PostgreSQL • Redis)
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SUMMARY

Full-Stack Engineer with 2+ years of experience building scalable web and mobile applications using React, Next.js, and TypeScript, with backend APIs in Node.js/Express and data systems like PostgreSQL and Redis. Strong in real-time interfaces (WebSockets/SSE), secure authentication (JWT/RBAC), and performance-focused architecture. Comfortable shipping end-to-end features with clean UI, reliable APIs, and optimized data flows.

TECHNICAL SKILLS

Frontend: React, Next.js, TypeScript, JavaScript, HTML5, CSS3, Tailwind CSS, Material-UI
State & Data: Redux, Zustand, TanStack Query / React Query
Backend: Node.js, Express.js, REST APIs, Java (basic), Spring Boot (project-level)
Databases: PostgreSQL, Redis, Prisma, SQL
Real-time: WebSockets, Server-Sent Events (SSE)
System Design: Caching, Pagination, RBAC, Idempotency (basics), Rate limiting (basics)
DevOps/Tools: Git, Docker, AWS (basics), CI/CD, Vercel, Netlify
Mobile: React Native, Offline caching, Background sync

EXPERIENCE

Neomenta Pvt. Ltd. Ahmedabad, India
Software Engineer Aug 2023 – Present

- Built and scaled production modules using React + TypeScript, improving maintainability and reducing UI regressions across releases.
- Developed a reusable component library used across 3 product modules, reducing development effort by **40%**.
- Delivered real-time analytics dashboards with ChartJS and live updates, supporting **2K+ daily users**.
- Implemented offline-capable React Native workflows using caching and background synchronization for reliable mobile usage.
- Optimized UI update performance using diff-based JSON updates and memoization, improving responsiveness on data-heavy screens.

TatvaSoft Pvt. Ltd. Ahmedabad, India
Frontend Developer Intern Jan 2023 – Jun 2023

- Led a team of 3 to deliver a modular React-based LMS with reusable UI components and clean routing.
- Implemented authentication UI flows and protected routes using JWT-based patterns.
- Designed UI/UX prototypes awarded **1st Prize** internally.

PROJECTS

FlashCommerce (High-Traffic Sale System) Next.js, Node.js, Redis, PostgreSQL, Stripe, WebSockets

- Built a flash-sale system supporting **10K+ concurrent requests** with Redis inventory locking to prevent overselling.
- Implemented waiting-room/throttling flow to smooth traffic spikes and protect backend services.
- Integrated Stripe payments with idempotency keys to prevent duplicate charges during retries/timeouts.
- Added real-time inventory updates using WebSockets to keep clients consistent during peak traffic.

Sentinel (Multi-Tenant SaaS Core) Next.js, PostgreSQL (RLS), Prisma, Tailwind

- Designed multi-tenant SaaS foundation using PostgreSQL Row Level Security (RLS) for strict tenant isolation.
- Implemented RBAC and audit logging for sensitive actions to improve security and traceability.
- Built scalable admin workflows (filters, pagination, role-based views) for enterprise-style operations.

PulseBoard (Real-Time Admin Dashboard) Next.js, TypeScript, TanStack Query, SSE/WebSockets

- Built a real-time dashboard using Next.js + TypeScript with streaming updates via SSE/WebSockets.
- Implemented server-state caching using TanStack Query, reducing redundant API calls by **35%**.
- Improved UI performance using memoization and stable state patterns to reduce unnecessary renders by **25%**.

OfflineSync (Offline-First Mobile App) React Native, TypeScript, Background Sync

- Built offline-first workflows with cached data and background sync for unreliable network conditions.
- Implemented retry-safe sync and optimistic UI updates for smooth mobile user experience.

ACHIEVEMENTS

- Led CodeChef College Chapter; mentored **100+** **students** in frontend and DSA.
- CodeChef Global Rank **468**; Google Kickstart Rank **3891**.

EDUCATION

Charusat University
B.Tech in Computer Engineering

2020 – 2024
CGPA: 8.8