

RAVI NAKRANI

Full Stack Developer | Node.js | NestJS | React | TypeScript
Surat, Gujarat, India

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SUMMARY

Full Stack Developer with 4 years of experience building web applications and real-time systems on the MERN stack and NestJS, using TypeScript and JavaScript. Works across backend services, APIs and databases as well as React frontends, owning features end to end from requirements to delivery. Hands-on experience with microservices, event-driven processing with AWS SQS, Redis, wallet integrations and role-based access control, including a real-time gaming platform load-tested for 1,000+ concurrent players. Has built products in real-time gaming, enterprise operations and e-commerce.

TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, SQL
- **Frontend:** React, Next.js, HTML, CSS, Redux, Redux Toolkit, Tailwind CSS, Ant Design, Highcharts
- **Backend:** Node.js, NestJS, Express.js, Microservices, REST APIs, Webhooks, JWT, Socket.io (WebSockets)
- **Databases:** PostgreSQL, Prisma, MongoDB, Mongoose, Redis
- **Cloud & DevOps:** AWS (SQS, S3, EC2), Docker, CI/CD (GitHub Actions), Vercel, PM2
- **Tools & AI:** Git, Postman, Jira, Agile/Scrum, Claude Code, Cursor

EXPERIENCE (4 Years)

Tagline Infotech — Full Stack Developer

Oct 2022 – Aug 2026 | Surat, Gujarat

Built backend and frontend systems for client products across real-time gaming, enterprise operations and e-commerce. Mentored freshers in JavaScript and React, including reviewing their code as they learned.

Coin Toss Game: B2B real-time gaming platform

NestJS, TypeScript, PostgreSQL (Prisma), Redis, AWS SQS, Socket.io

- Architected and built a real-time B2B gaming platform from scratch as three NestJS microservices (game, cron, webhook) communicating through AWS SQS and shared Redis state, with structured logging via Pino.
- Implemented an idempotent wallet integration with third-party operators for debit, credit and rollback over webhooks, so retried callbacks never apply a transaction twice.
- Built a circuit breaker on outbound calls to operators to isolate failing endpoints, with circuit-breaker reports in the admin dashboard.
- Moved round settlement to AWS SQS workers, with each settled round triggering the next without blocking the main application flow.
- Load-tested the platform with a custom simulation script of 1,000+ concurrent players joining and playing every round, and used the findings to cut redundant webhook calls and optimize database queries.
- Built a server-side RNG engine with operator-configurable payout rates, and added admin controls to pause or resume round creation and toggle maintenance mode.
- Scaled real-time updates (game state, player actions, live leaderboards) across instances with authenticated Socket.io connections and Redis pub/sub, and cached frequently read game data in Redis to reduce PostgreSQL load.

Loyalty & Rewards Engine: multi-brand gaming platform

Express, MongoDB, React

- Built a tiered VIP loyalty program end to end, where points earned on game-round settlement automatically promote players across tiers.
- Delivered a daily rewards feature end to end: daily and deposit-triggered coin claims, plus a spin wheel with server-side weighted outcomes.
- Made wheel segments and weights configurable per domain from the admin panel, and released both features behind per-domain feature flags on a single codebase serving multiple branded sites.
- Enforced one reward claim per player per day at the database level with a unique index on player ID and day key.

Urban Genba: enterprise operations applications

React, Ant Design, Highcharts

- Built frontends for three enterprise production applications, refining workflows from stakeholder field feedback as business processes changed.
- Fixed typing lag in large dynamic forms by splitting them into smaller components and removing unnecessary re-renders with `React.memo`, `useMemo` and `useCallback`.
- Implemented hierarchical role-based access control (RBAC) for multi-user permissions across application modules.
- Built maintenance scheduling, repair ticketing, asset tracking and certificate generation modules, with Highcharts data visualizations.

LocumFind: pharmacy staffing marketplace

React, Redux, WebSocket, FullCalendar

- Built the complete React frontend from scratch as the sole frontend developer for a marketplace connecting locum pharmacists with pharmacies.
- Developed a multi-filter search UI with debounced input and paginated results, integrated with backend search APIs.
- Implemented real-time chat over WebSockets with infinite-scroll message history.
- Customized FullCalendar to display backend event data in a client-specified design, integrated Google Places address autocomplete, and managed application state with Redux.

Gajari: e-commerce platform

Express, MongoDB

- As an associate backend developer, fixed a production bug that generated duplicate invoice numbers at the year rollover, traced to a date-comparison mismatch in the numbering logic.
- Implemented a coin rewards system: coins granted on successful Paytm payments and redeemable as a discount on the next purchase, with expiry.
- Built coupon logic for discounts on selected products, rejecting invalid coupons when applied.

EDUCATION

Bachelor's degree | Maharaja Krishnakumarsinhji Bhavnagar University | 2022

Class 12 | Jawahar Navodaya Vidyalaya | 2018