Heramb Chaudhari

Full Stack Developer — React Native Developer

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Education

R.C. Patel Institute of Technology **Shirpur, Maharashtra**
B.Tech in Computer Engineering | CGPA: ***8.93/10*** *Sept 2023 – May 2027*

Technical Skills

Languages: JavaScript, TypeScript, Java, Python, C

Frontend & Mobile: React.js, Next.js 15, React Native (Expo), HTML5, CSS3, Tailwind CSS

Backend / DB: Node.js, Express.js, MongoDB, MySQL

Real-Time & Auth: Socket.IO, WebRTC, Stream SDK, Clerk (OAuth/JWT), TanStack Query, Zustand

Tools: Git, GitHub, Postman, VS Code, Vercel, Render

Projects

ConverseCloud | *React, Node.js, Express, MongoDB, Stream SDK, TanStack Query, Zustand* | Live · GitHub

- Built a full-stack language exchange platform with real-time text chat and WebRTC video calling via Stream Chat and Stream Video SDKs, a social friend-request system, and 30+ selectable UI themes.
- Secured sessions with httpOnly + SameSite=Strict JWT cookies and bcrypt hashing; implemented deterministic channel IDs via lexicographic user-ID sorting to guarantee unique chat channels.
- Managed server state with TanStack Query v5 and theme state with Zustand; designed singleton Stream client lifecycle inside React to prevent duplicate WebSocket connections on re-renders.

Mumble Chat | *React, React Native (Expo), TypeScript, Node.js, Socket.IO, MongoDB, Clerk* | Live · GitHub

- Cross-platform real-time chat serving React web and React Native (Expo) mobile from a single Bun/Express backend; room-based Socket.IO broadcasting with personal user rooms for sidebar updates.
- Implemented optimistic UI with automatic rollback on socket error; separated ephemeral presence state (Zustand) from cached server state (TanStack Query) to eliminate race conditions.
- Integrated Google OAuth + Apple Sign-In via Clerk on mobile; JWT verified on both HTTP and WebSocket handshake; Expo SecureStore for encrypted token persistence.

Coditor | *Next.js 15, TypeScript, Convex, Monaco Editor, Clerk, Piston API, LemonSqueezy* | Live · GitHub

- Browser-based code editor SaaS supporting 10+ languages via Piston API with community snippet sharing, starring, comments, execution history, and freemium Pro subscription (LemonSqueezy + HMAC webhooks).
- Reactive Convex backend replaces traditional REST; real-time subscriptions propagate snippet updates to all clients instantly; compound DB indexes and cursor-based pagination for query efficiency.

Reverie | *Next.js, React Native (Expo), TypeScript, MongoDB* | GitHub

- Cross-platform journaling and mood-tracking app with AI-powered reflection and time-locked memory capsules; shared backend serves both web (Next.js) and mobile (React Native) clients.

Experience & Leadership

Treasurer, RCPIT ACM Student Chapter **2025 – Present**
R.C. Patel Institute of Technology

- Manage chapter finances and co-organize technical events; sole developer of the chapter website (rcpitshirpur.acm.org)

Certifications

- Meta Frontend Developer Professional Certificate (Meta/Coursera)
- MongoDB Developer Toolkit • Next.js Development (GeeksforGeeks)
- Postman API Fundamentals Student Expert
- Database Management Systems (NPTEL) • CS50 Python (Harvard CS50)
- R3Sys Java Development Training – 2025 (Role: Trainee)

Achievements

- **Winner** — Cyber Damaka Cybersecurity Competition, 2024 (1st out of 44 teams)
- **Hacktoberfest 2024** — Open-source contributor