

RUBISTEN A

Full-Stack Developer (MERN)

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PROFESSIONAL SUMMARY

Full-Stack Developer (MERN) — React, Node.js, Express, MongoDB, Socket.io — with hands-on experience building and deploying 2 production-grade web applications featuring real-time chat, JWT authentication, and RESTful APIs. Comfortable owning a feature end-to-end, from MongoDB schema design through React UI to deployment, and independently resolving cross-stack issues such as auth token expiry, CORS misconfiguration, and race conditions.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript

Frontend: React.js, Redux Toolkit, Zustand, React Query (TanStack Query), Tailwind CSS, HTML5, Responsive Design, Component-Based Architecture

Backend: Node.js, Express.js, RESTful API Design, API Integration

Database: MongoDB, Mongoose

Authentication & Real-Time: JWT, Clerk, Socket.io

Tools & Practices: Git, GitHub, Postman, Cloudinary, State Management, Debugging, Performance Optimization, Cross-Browser Compatibility, Agile, CI/CD, REST APIs

FEATURED PROJECTS

SoundHive — Full-Stack Music Streaming Platform *Live Demo* | *GitHub*

Tech Stack: React, TypeScript, Zustand, Node.js, Express.js, MongoDB, Socket.io, Clerk, Cloudinary

- Engineered a full-stack, Spotify-style streaming platform (83.5% TypeScript codebase) with a resizable three-panel UI and a custom audio player built on the native browser Audio API, deployed to production on Render.
- Implemented JWT-based authentication with Clerk across a 2-service (front-end/back-end) architecture, resolving a production token-expiry bug via an Axios interceptor that auto-refreshes short-lived tokens on every request.
- Delivered real-time friend activity and one-to-one chat using Socket.io with server-side presence maps, resolving event-handling race conditions while keeping Total Blocking Time under 40ms.
- Designed an admin dashboard with full CRUD functionality across 5 dedicated endpoints and a Cloudinary-powered media upload pipeline, including automatic audio duration extraction from upload metadata.
- Built centralized Express error-handling middleware and route-level guards to standardize API error responses across 8 endpoints.
- Diagnosed and resolved cross-stack production issues, including CORS misconfiguration and MongoDB Atlas network access rules, achieving a 96/100 Best Practices score on Google PageSpeed Insights.

Streamify — Professional Networking Platform *Live Demo* | *GitHub*

Tech Stack: React.js, Node.js, Express.js, MongoDB, Redux Toolkit, Tailwind CSS

- Developed a full-stack, LinkedIn-inspired professional networking platform on the MERN stack with secure authentication, onboarding flows, and role-based route protection, achieving a 92/100 Best Practices score on Google PageSpeed Insights.
- Implemented real-time connection requests, notifications, and an auto-refreshing content feed with a theme-toggled, responsive Tailwind CSS interface, scoring 82/100 on SEO and 87/100 on Accessibility in Google PageSpeed Insights.
- Architected a Node.js/Express backend with 8 RESTful API endpoints across 4 route modules for authentication, connections, users, and chat.
- Managed global application state with Redux Toolkit and designed optimized MongoDB/Mongoose schemas to support complex user relationships.
- Implemented backend input validation across signup and onboarding using the validator library, enforcing 7 field-level checks to prevent malformed data from reaching the database.
- Integrated toast notifications (react-hot-toast) and loading states across 3 core user flows to surface real-time API success/failure feedback and reduce perceived latency.

EXPERIENCE

Web Development Intern — iLife Technologies, Trichy *Jan 2022*

- Completed a short-term 1-month front-end development internship, applying HTML, CSS, and JavaScript fundamentals in a professional environment.

EDUCATION

Bachelor of Computer Applications (BCA) — Bishop Heber College *2021 – 2024*

CERTIFICATIONS

Full Stack Web Development Certification — Login360, Chennai *Aug – Dec 2024*

HTML, CSS, JavaScript, React.js, State Management