Ravindra Yadav

✉ ravindra.r.yadav.26@gmail.com   📞 9890759873   in ravindrayadav26   ⚪ ravindrayadav26

Summary

Full Stack Developer specializing in React and Node.js with a strong focus on building scalable web applications. Proficient in designing RESTful APIs, optimizing database schemas, and implementing secure, high-performance backends. Experienced with modern cloud infrastructure (AWS) and DevOps practices including Docker and CI/CD. Passionate about writing clean, testable code and delivering innovative user experiences.

Education

Dr. Babasaheb Ambedkar Technological University   *2019 - 2023*
Bachelor of Technology in Information Technology
CGPA: *7.49/10*

Skills

Languages & Core: JavaScript (ES6+), TypeScript, HTML5, CSS3

Frontend: React.js (Hooks, Context API), Next.js, Zustand, Tanstack Query, TailwindCSS, Motion, ShadCN, Responsive Design

Backend & Database: Node.js, Express.js, RESTful APIs, MongoDB, Redis, Authentication (JWT, OAuth2)

Tools & Cloud: AWS (EC2, S3), Docker, Git/GitHub, CI/CD Pipeline, Github Actions, Postman

Projects

SkyVault — Cloud Storage Application *(Next.js, Express.js, AWS, Redis)*   *Github* ↗ *Demo* ↗

- Developed a **scalable** file upload system using **AWS S3** presigned URLs, reducing server load and latency for high-volume media transfers.
- Implemented **security best practices** to protect against OWASP vulnerabilities (DOS, **CSRF**, **XSS**) and utilized **session and cookie** based secure authentication.
- Engineered a "Secure Vault" feature protecting sensitive data with multi-layer encryption, ensuring high data integrity.
- Optimized database performance using **MongoDB** indexing and aggregation pipelines, resulting in instant search results for large datasets.
- Utilized database transactions to ensure atomicity in file management operations, preventing data loss during complex folder manipulations.
- Developed a role-based dashboard for recruiters, generating temporary credentials for secure access control.

Share-It CLI — Cross-Platform File Sharing Tool *(Node.js, Express.js,*   *Github* ↗ *npm* ↗
Typescript)

- Developed a cross-platform CLI tool using **TypeScript**, **Node.js**, and **Express.js** for instant local network file sharing.
- Engineered high-performance file streaming using **Node.js asynchronous streams**, optimizing memory usage for large file transfers.
- Built a responsive web-based UI served directly from the CLI, supporting recursive directory browsing and multi-file uploads.
- Integrated QR code generation in the terminal for seamless mobile device connectivity without manual URL entry enhancing user experience (**UX**).
- Published and maintained the package on **npm** (70+ installs), ensuring cross-platform compatibility and ease of installation.