

Summary

Software Engineer with a proven track record in full-stack development (MERN) and comprehensive testing (white box, SQL, API). Committed to building high-quality, scalable software.

EXPERIENCE

- Rupyy(Cardekho)

Quality Analyst

Remote

July 2024 - July 2025

- Oversaw quality for loan management systems, increasing code coverage by **35%** through detailed analysis of backend logic, control flow, and conditional branches.
 - Contributed to debugging efforts using **RockMongo** and **Chrome DevTools**, reducing defect resolution time by **25%** through proactive identification of frontend issues.
- Cogmac Technologies

Full Stack Developer

In-Office

June 2023 - August 2023

- Leveraged **React** and other cutting-edge technologies to design and build an efficient software to scan **RFID cards**.
 - Engineered a user-friendly web portal that enabled a **50%** boost in user registrations via RFID cards.
 - Achieved a **20%** reduction in registration time by optimizing portal performance, enhancing user satisfaction.
 - Achieved the milestone of allowing user to register 1 new card in under 1 second.

Android Developer

- Developed a lightweight RFID card scanning app using **React Native**, optimized for performance on low-end devices.
 - Implemented real-time database interactions to register new RFID cards **in under 1 second**.
 - Optimized app build and asset sizes, resulting in a compact and efficient deployment **under 10MB**.
 - Collaborated with backend team to ensure seamless API integration and accurate data syncing with **MongoDB**.

PROJECTS

- Tether Read AI - (Next.js, React, Firebase, Cloudflare R2, MongoDB)

Link

- Built a cross-platform **EPUB reader** with **Next.js** and **epub.js**, supporting seamless book rendering and navigation.
 - Reduced initial load time by **40%** through caching strategies and pre-signed URL optimization.
 - Designed a backend service with **MongoDB integration** to persist reading progress across devices.
 - Built an **AI recommendation system** powered by **Mistral Small 3.2**, seamlessly integrated into the user's digital bookshelf.
- Color Commits - (Next.js, React, TailwindCSS, GitHub REST API)

Link

- Built a GitHub repository visualizer in **Next.js** that fetches and displays directory structures with real-time file metadata using the **GitHub REST API v3**.
 - Implemented a color-coded age analysis system to classify files by last commit date, improving repo scan clarity by **60%**.
 - Added tooltip-based **relative time indicators** with dynamic hydration-safe logic, ensuring cross-device consistency and UX reliability.
 - Introduced client-side **caching layers** using **useRef**, reducing redundant API calls by over **70%** during navigation.
- News Room 24/7 - React, NewsAPI

Link

- Built a news aggregator app using **React** and **NewsAPI** to display real-time news from 30+ sources across multiple categories.
 - Reduced data load time by 20% via lazy loading and optimized API fetching.
 - Modularized components for reusability, reducing code duplication by **25%**.

SKILLS

- Programming Languages:** C++, Java, JavaScript, SQL, HTML/CSS
- Frameworks & Libraries:** React.js, Node.js, Express, Next.js, React Native, Tailwind CSS
- Tools & Platforms:** Git, GitHub, Cloudflare R2, Firebase, MySQL, MongoDB, Postman, Agile
- Development Skills:** Full-Stack Development, REST API Development, Android Development
- Testing Skills:** Manual Testing, API Testing, SQL-based Data Validation

EDUCATION

- Maharaja Agrasen Institute of Technology

Bachelor of Technology - Computer Science

Delhi, India

August 2020 - August-2024