

Rohit Kumar R

Software Developer

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SUMMARY

Passionate Developer with experience in solving problems using full-stack web development, specializing in problem solving and building scalable and performant applications using JavaScript (React.js, Next.js, Express.js and Node.js) and Python(Flask and Fast API).

SKILLS

- **Languages:** Javascript, Python, C++
- **Frontend:** React.js, Next.js, Tailwind CSS
- **Backend:** Node.js, Express.js, Firebase, PostgreSQL, MongoDB
- **Cloud & DevOps:** Google Cloud, AWS, Docker, GitHub Actions
- Good at concepts and solving Data Structures & Algorithms

EXPERIENCE

Software Developer - MyLang

June 2023 - PRESENT

- Engineered a comprehensive story creation and audio editing platform: Implemented the story creation module using Next.js and WebAudio APIs with FFmpeg for robust audio processing, enabling over 10,000 users to narrate stories. This involved backend support via Firebase, AWS Lambda, S3, and Firebase Cloud Functions.
- Significantly revamped the audio recording and editing experience by implementing a sprite-based editing model and optimizing Local Storage with IndexedDB, ensuring a smoother and more efficient content creation process for users.
- Built a comprehensive premium content and monetization system, enabling content categorization, DRM, and integrating Cashfree for digital coin purchases. Developed a comprehensive analytics and reporting system integrating Mixpanel and other tracking tools to capture detailed user engagement and monetization data for data-driven optimization.
- Implemented an AI audiobook generation platform, using Python, React.js, Postgresql, Google Cloud, OpenAI APIs, Elevenlabs to convert books into immersive audiobooks with AI narration, background music, and sound effects. Increased book-to-audio conversion efficiency by 60+%.

Frontend Developer Intern - MyLang

January 2023 - June 2023

- Worked on Audio Stories Web App built using Next.js, Firebase, Tailwind CSS. Implemented multilingual support using Next.js i18n, enabling accessibility in English, Hindi, and Kannada, expanding the user base by 30%.
- Delivered multiple feature enhancements and resolved critical bugs, maintaining high standards of code quality through rigorous testing and peer reviews.

PROJECTS

DSA Practice Platform - [Project Link](#)

Developed a dynamic platform to solve DSA problems using JavaScript. Built with Next.js for performant UI, Firebase for backend, and CodeMirror for a robust code editor experience.

Real-Time Collaborative Design Application - [Project Link](#)

Developed an interactive design platform to transform creative ideas into collaborative designs. Integrated real-time collaboration with LiveBlocks.io, Fabric.js and Next.js for seamless user interactions.

EDUCATION

B.Tech in Computer Science - 8.9GPA

MS Ramaiah University of Applied Science, Bengaluru (August 2019 - May 2023).