AJAY KUSHWAHA

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Summary

Frontend Engineer with 2 years of focused React/Next.js/TypeScript experience building production-grade streaming and OTT interfaces. Specialized in high-performance media UI — adaptive video playback, complex state management, and reusable component architecture for high-traffic apps. Strong track record turning Figma designs into scalable systems shipped to real users.

Experience

Horizon Broadband Private Limited
Sep 2024 - Present

Frontend Engineer
Bengaluru, Karnataka, India

- Built a production Electronic Program Guide (EPG) using react-virtualized MultiGrid for virtualized rendering, on-demand pagination, and cross-platform scroll sync in iOS WKWebView, which enabled faster page loads and smoother navigation for users[Live]
- Engineered a hover-preview system with Framer Motion spring-physics animations, autoplay carousels, sliders, and parental PIN flows, delivering a more engaging browsing experience that increased content preview usage [Live]
- Built data layers with Redux-Saga, RTK Query, and Kaltura REST APIs to handle paginated fetching and clear loading, error, and empty states, and optimized performance through code splitting, lazy loading, and React.memo, which reduced the initial bundle size and improved app responsiveness

VyaparApp Private Limited
Sep 2023 - Sep 2024

Product Support (Technical)
Bengaluru, Karnataka, India

- Provided technical product support for the SaaS accounting platform built with Electron and SQLite, using VS Code and Postman to investigate issues and document solutions, which helped maintain uninterrupted service for users
- Diagnosed and reproduced Electron crashes, SQLite data problems, and sync failures by analyzing logs in VS Code and using React DevTools, then worked with engineering to implement fixes, resulting in faster issue resolution and more reliable data sync

Skills

- **Languages**: HTML, CSS, JavaScript, TypeScript
- **Technologies**: React, Next.js, Tailwind CSS, CSS Modules, Redux Toolkit, RTK Query, Jest, Webpack, Vite
- **Developer Tools**: Git | Chrome DevTools | React DevTools | Lighthouse | Postman | VS Code | Bitbucket

Projects

- Movix [Live] : Responsive movie streaming app powered by Kaltura APIs. Built scalable state with TypeScript, React, and Redux Toolkit, custom sliders and carousels, and Shaka Player for adaptive trailer playback.
- FreePDFLab [Live]: Built and deployed a free online PDF & image toolkit (merge, split, rotate, compress) with 100% client-side processing. Built with Next.js, TypeScript, and Tailwind CSS.

Education

Aliah University
Aug 2019 - Aug 2023

Bachelor of Technology (B.Tech), Computer Science & Engineering
Kolkata, WB, India

Academic / Coding Highlights

- GATE 2023 – Qualified (Computer Science & IT) | WBJEE – Rank 3.9K (out of 1.5L candidates)
- LeetCode: Solved 300+ DSA Problems | GeeksforGeeks: Solved 250+ Problems

Additional Information

- Languages: English | Hindi | Bengali