

ARAVIND D

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Skills

Technologies: Next.js, React.js, Node.js, Spring/Spring Boot, Git, AWS, Angular, Docker.

Languages: JavaScript, Java, TypeScript.

Experience

Software Engineer, L&T Technology Services– Bengaluru, India. 2021– Present

Synamedia Smart-TV App Development: 2022– Present

- Created reusable **React** components shared across six clients with distinct UIs within a unified codebase.
- Revamped the UI of the Astro-Smart-TV app, elevating the user experience.
- Improved app performance by reducing initial load time by 2 seconds.
- Implemented **localization** for multiple languages, including Hebrew with right-to-left support.
- Developed a vertical scrolling component capable of efficiently managing large volumes of contents with optimal DOM rendering.
- Executed API migrations, transitioning from a single API to personal and shared APIs, optimizing backend processes.
- Implemented a QR Code-based **Authentication** module for seamless login on Smart-TVs.
- Transformed the search screen through the integration of diverse components, including the addition of a voice module for an upgraded user experience.
- Enhanced user experience by implementing an audio codec fallback feature in the **dashJS Player**.
- Implemented a rate limiter for retrying failed API calls based on backend configuration, enhancing reliability. Additionally, created a mock server with **Node** to simulate API status codes for feature testing.
- Played a key role in the successful update of dashJS Player to the latest version, contributing to the enhancement of overall application functionality and performance.

Zee Entertainment Smart-TV App Development: 2021– 2022

- Developed a robust subtitle feature that enabled the client to control text related settings from back-end, resulting in a customizable viewing experience.
- Resolved several issues in **Shaka Player** to ensure smooth playback and optimal user experience.
- Implemented content selection screen for series, with multiple buttons and organized episode list, enhancing user engagement and retention.
- Revamped menu component and enabled back-end control of menu items.

Lightningjs Smart-TV App Development: 3 Months

- Created templates utilizing LightningJS to accelerate development processes.
- Implemented UI for Video Player using LightningJS API.
- Integrated APIs and optimized performance by minimizing the number of API calls.

Open Source

React

- Debugged and contributed to a fix in facebook/react codebase, addressing a missing attribute ([PR #26130](#)).

Projects

- Developed back-end for a Chat Application with Node, Mongo, Socket.io, and integrated AWS services such as S3.
- Authored an NPM package, react-svgmap-india, bundled with Rollup.
- Developed a YouTube Clone utilizing the YouTube API, React, TypeScript, and Redux Toolkit.

Education

PSG College of Technology – B.Tech in Information Technology

2020