

ARAVIND D

[Email](#) | [Portfolio](#) | [LinkedIn](#)

Skills

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

Languages: TypeScript, JavaScript, Java, SQL.

Experience

SDE, Altair Engineering – Bengaluru, India. 2024– present

Altair AI Cloud (Rapidminer Cloud): 2024– present

- Developed reusable **React** packages enabling users to manage and share multiple permissions.
- Conducted a POC on **micro-frontends** with **Vite** and **Webpack**.
- Led migration of multiple apps to Webpack, utilizing the **Module-Federation** plugin to implement micro-frontend architecture.
- Established a new monorepo using **pnpm-workspaces** to handle multiple independent apps, including central management of authorization.
- Built a command-line application for generating micro-frontend configurations to streamline app setup.

Software Engineer, L&T Technology Services – Bengaluru, India. 2021– 2024

Synamedia Smart-TV App Development: 2022– 2024

- Built reusable **React** components shared across six clients with distinct UIs in a single app.
- Revamped the UI of the Astro-Smart-TV app, elevating the user experience.
- Optimized app performance by **30% reduction** in the initial load time.
- Implemented **localization** for multiple languages, including Hebrew with right-to-left support.
- Introduced a vertical scrolling component which optimizes DOM rendering for datasets surpassing 1000 items, improving app performance drastically.
- Executed API migrations, transitioning from a single API to personal and shared APIs, optimizing backend processes.
- Engineered 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**.
- Established a rate limiter for retrying failed API calls based on backend configuration, enhancing reliability.
- Played a key role in the successful migration 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

- Crafted a robust subtitle feature that enabled the client to control text related settings from the back-end, resulting in a customizable viewing experience.
- Resolved several issues in **Shaka Player** to ensure smooth playback and optimal user experience.
- Revised the menu component and enabled back-end control of menu items.

Others:

- Proposed, improved and refined several internal tools to expedite development processes.

Open Source

React

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

Certification

- JLPT N5 certified with intermediate **Japanese language** skills.

Education

PSG College of Technology – B.Tech in Information Technology

2020