

# ARAVIND D

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## Skills

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

**Languages:** TypeScript, JavaScript, Go, Java, SQL.

## Experience

**SDE, Altair** – Bengaluru, India.

2021– present

2024– present

**Altair AI Cloud (Rapidminer):**

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 implement micro-frontend architecture, enhancing scalability and DX.
- Set up a new monorepo with **pnpm-workspaces** to manage multiple packages, including a centralized auth service.
- Built a CLI tool for generating applications with required configurations.

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

2021– 2024

**Smart-TV App Development (AstroGo, StringTV, Etisalat):**

2022– 2024

- Created 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 **i18n** 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.

## Others

- Debugged and contributed to a fix in **facebook/react library**, addressing a missing attribute ([PR #26130](#)).
- Authored multiple React packages of interactive SVG Maps. ([Packages](#))
- Devised a CLI tool in **Go** to extract data from SVG images and generate a .js file.

## Certification

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

## Education

**PSG College of Technology** – B.Tech in Information Technology

2020