

ARUL VALAN ANTO S

FULL STACK DEVELOPER WITH 4.5 YEARS OF EXPERIENCE

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SKILLS

- Frontend Tech: **React JS, Next JS, TypeScript, Redux**, JavaScript, Tailwind CSS, Sass, CSS, HTML
- Backend Tech: **Node JS, Express JS**, Python, FastAPI, GraphQL
- Databases: **MongoDB, MySQL, Redis**
- Testing Tools: **Jest, Playwright**, Storybook
- CI/CD Tools: **Github Actions**, Docker
- AI Tools: **LangChain**, VertexAI Vector Store, HuggingFace Embedding
- Other Tools: **Webpack**, Babel, Auth0, Firebase, ESLint

WORK EXPERIENCE

Senior Software Engineer | Augment (Remote), India

Feb 2022 - Present

- Implemented **RAG** with **LangChain** and **VectorDB** for employees to query and retrieve accurate company information from a comprehensive knowledge base.
- Implemented Role Based Access Control (**RBAC**) to enforce precise user permissions, dynamically allowing or restricting actions and features based on user roles.
- Implemented the **OAuth 2.0** authorization protocol using **Auth0**, which enabled third-party applications such as Outlook plugin to securely access resources on behalf of their users.
- Codeveloped an **Outlook plugin**, which simplified the process of sharing decks in AirDeck from seven steps to just two, resulting in increased user engagement.
- Implemented **real-time collaboration features** with user activity tracking, slide locking, and presence indicators for simultaneous work on the same deck in AirDeck.
- Developed a **remote sensing app** to offer information about endangered species and soil surveys for land analysis.
- Developed and deployed an **AI assistant** in the VidableAI application, providing users with specific **video-related queries** and instant responses.

Junior Software Developer | Coding Space India

Jan 2020 - Jan 2022

- Created **automation scripts** to quickly design a new section, reducing the time needed for development by **15%**.
- **Assisted co-developers** in solving their issues and challenges during the development process.
- Utilized **Chrome Dev Tools and Lighthouse** to debug and test web applications.
- Performed code refactoring on **legacy code**, resolved bugs in the existing application, and provided **continuous maintenance**.

EDUCATION

B.E Computer Science

Jul 2015 - May 2019

Loyola ICAM College of Engineering and Technology [CGPA: **7.33** / 10]

HSC

Jun 2014 - May 2015

Carmel Higher Secondary School [Percentage: **87.7**]

CERTIFICATIONS

[AWS Certified Cloud Practitioner](#)