

# ALWIN BABY

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## PROFILE

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Software engineer with three years of experience building web and TV applications using React.js and LightningJS. I've worked on multiple OTT projects and websites used by millions of people. Currently exploring my interest in AI and machine learning.

## SKILLS

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### Frontend Technologies

React.js | Next.js | LightningJS | TypeScript | CSS/Tailwind | HTML5 | WebGL | Responsive Design

### Backend & Cloud Technologies

Node.js | Python | Express | REST APIs | AWS | Serverless

### Tools & Platforms

Vite | Git | GitHub | Bash | Powershell | Figma | GitHub Actions | MS Office | Photoshop

### Soft Skills

Adaptability | Time Management | Leadership Skills | Effective Communication | Conflict Resolution

### Other Skills

Agile Methodologies | Object Oriented Programming | Technical Documentation | OTT Video Streaming

## PROFESSIONAL EXPERIENCE

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### Software Engineer

Diagnal Technologies Private Limited

08/2022 – 09/2025

Trivandrum, India

- Helped create CMGO and Awaan web apps using React.js, optimised for seamless operation on a variety of mobile and browser platforms.
- Developed **Enlight**, a customizable template (OTT) solution for web-based TV platforms such as Tizen, webOS, and Vidaa using LightningJS framework.
- Created TV apps such as CMGO, Awaan, Illico+ and Rally TV using Enlight with multiple language support, live streaming and On Demand contents.
- Built custom LightningJS components by directly utilising the **WebGL API** to create complex graphical elements.
- Reduced video player startup time by 25% and enhanced app performance through streamlined data flow and optimised event handling.
- Improved the app's startup time by about 22% through code splitting and optimised API calls thereby greatly enhancing the user experience.

## ACHIEVEMENTS

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### Promoted to Software Engineer E2

09/2023

- Promoted to the position of Software Engineer E2 within one year, in recognition of my outstanding performance and contributions.
- Received exceptional ratings in employee reviews, and I was acknowledged for my proactive problem-solving and sense of ownership.

## **EDUCATION**

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### **Master of Science in Digital Engineering**

*Otto-von-Guericke-University Magdeburg* ↗

*Currently enrolled in the first semester (Winter 2025)*

10/2025 – Present

Magdeburg,

Germany

### **Bachelor of Technology in Mechanical Engineering**

*APJ Abdul Kalam Technological University* ↗

*Government Engineering College Barton Hill (CGPA - 7.9)*

08/2018 – 07/2022

Trivandrum, India

## **LANGUAGES**

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**English** — Business Fluent

**German** — Basic (improving)



**Alwin Baby**

Magdeburg, 11-01-2026