

# ALWIN BABY

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## Profile

Software engineer with three years of experience building web and TV applications using React.js and LightningJS. I've worked on multiple OTT platforms and collaborated closely with cross-functional teams to ship high-quality, user-friendly products — currently exploring my interest in AI and machine learning.

## Skill Sets

**Programming Languages and Technologies:** Python, JavaScript, TypeScript, HTML, CSS, React.js, Github Co-pilot, Lightning JS, Vite, C#, Object-oriented Programming, WebGL, REST APIs, Git, GitHub, AWS, OTT Video Streaming Technology, TV application development

**Soft Skills:** Adaptability, Leadership Skills, Effective Communication, Conflict Resolution

**Other Skills:** MS Office, Agile Methodologies, Technical Documentation, Solid-works, Ansys, AutoCAD

## Experience

**Diagnal Technologies Private Limited - Software Engineer** (<https://www.diagnal.com>)

**August 2022 – September 2025**

- Helped the WebTV team design and develop **Enlight, a fully customisable template (OTT) solution for web-based TV platforms** such as Tizen, webOS, and Vidaa. Developed with the cutting-edge **LightningJS framework**, Enlight has been used to create a number of TV applications.
- Created TV apps with Enlight (LightningJS), such as **CMGO, Awaan, Illico+, and Rally TV** which have users all around the world. These **apps support multiple languages and can stream live and play videos on demand**.
- In order to create complex graphic elements for Enlight, **custom LightningJS components were built by directly utilising the WebGL API**.
- Helped create the **React.js-based CMGO and Awaan web apps**, which are optimised for seamless operation on a variety of mobile and browser platforms.
- **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** which helped in greatly improving the user experience.

## Professional Achievements

**Promoted to Software Engineer E2**

**September 2023**

- Within a year of beginning work as an entry-level software engineer, I was promoted to the position of Software Engineer E2, **in recognition of my outstanding performance and contributions to several teams**.
- For three years running, I received exceptional ratings in employee reviews, and I was acknowledged for my proactive problem-solving and sense of ownership.

## Education

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Otto-von-Guericke-University Magdeburg - Master of Science in Digital Engineering (<https://www.ovgu.de>)

October 2025 – Present

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

APJ Abdul Kalam Technological University - Bachelor of Technology in Mechanical Engineering (<https://ktu.edu.in>)

August 2018 – July 2022

CGPA: 7.9/10

- As part of the bachelor's final project, I used the **Contour Method to analyse the residual stress in an aluminium block**. This project was completed in partnership with the **Indian Space Research Organisation (ISRO)** and used Ansys for simulation.
- Oversaw the main logistical and organisational elements of the college's Annual Technocultural Fest (Aagneya 2022) in my capacity as Core Coordinator.

## Languages

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English - Professional Working Proficiency

German - Elementary Proficiency

Place: Magdeburg

Date: 12-12-2025



(Alwin Baby)