

# ADVAITH R

## Software Engineer

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Passionate Software Engineer with a strong background in UI developing, designing, and maintaining web applications. Skilled in building user-friendly interfaces and robust backend systems, with a focus on delivering clean, efficient, and scalable code. Experienced in collaborative, agile environments, contributing effectively to team success and project goals. Driven by a commitment to innovation and continuous improvement, with a deep interest in crafting software solutions that create real value for users and businesses.

## SKILLS

<b>Languages:</b>	JavaScript, TypeScript, Java, HTML5, CSS3
<b>Libraries &amp; Frameworks:</b>	React JS, Angular, Polymer, D3.js, Blockly, Spring Boot, NodeJS, ExpressJS, Apache Kafka
<b>Database Management:</b>	MySQL, MongoDB
<b>Development Practices:</b>	Docker, Git, CI/CD, Agile Methodologies, Confluence
<b>Concepts:</b>	Data Structures and Algorithms, Microservices, MVC Architecture, Hibernate
<b>Others:</b>	REST API development, Code review, Problem-solving & debugging

## EXPERIENCE

OCTOBER 2022 – PRESENT

### Software Engineer | Flytxt Mobile Solutions

- Built responsive, accessible user interfaces, integrating **Google Maps** for advanced **geospatial visualizations** and social media platforms like **WhatsApp** to boost customer engagement and product usability.
- Developed a **Global Search** feature using **Apache Lucene**, enabling efficient keyword-based queries and significantly improving application discoverability.
- Designed and developed a dynamic block-based UI using **Blockly**, enabling users to visually build workflows by connecting blocks, which were then programmatically converted into **Java code**, streamlining code generation and reducing user errors.
- Migrated UI from **Polymer to Angular**, improving scalability and reducing page load times by 20%, resulting in enhanced user experience.
- Designed intuitive front-end workflows** using libraries like **D3** and **JSPlumb**, **simplifying complex data visualizations and user interactions**, and translated high-fidelity design mockups and prototypes into clean, maintainable, and efficient code using front-end technologies.
- Designed and implemented **RESTful APIs** using Java (Spring Boot), optimizing backend services and enhancing overall system performance.
- Followed **responsive design** principles, cross-browser compatibility, and web accessibility standards to deliver consistent, user-friendly experiences across all platforms.
- Mentored and supported junior engineers, offering guidance, code reviews, and hands on training to help them grow and contribute effectively to the team.
- Actively **collaborated with cross-functional teams** (product owners, UX/UI designers, back-end developers) to gather requirements, prioritize tasks, and deliver features aligned with business goals and client needs.
- Employed **object-oriented design** principles and **best coding practices** to build maintainable and high-quality software solutions.

- **Resolved end-user technical issues** promptly, maintaining a high satisfaction rate and ensuring seamless application functionality.
- Utilized project management and issue-tracking tools like **JIRA and Confluence** for sprint planning, bug tracking, and efficient team coordination.

JANUARY 2022 – AUGUST 2022

#### Full Stack Developer | ICTAK

- Collaborated with a team to design and develop a financial management platform for a training application.
- **Developed the platform using Node.js and Express.js** for the backend, **ReactJS** for the frontend, and **MongoDB** for database management.
- Developed APIs that handle pdf generation and **implemented approval flows** throughout the application.
- **Integrated efficient payment systems through Stripe** enabling efficient and secure management of financial data.
- Conducted client discussions to gather feedback and implement improvements to the product.
- Performed end-to-end testing to ensure product quality and functionality.

## PROJECTS

1.

**NEON-dX**

NEON-dX is an enterprise-class software product designed to enhance intelligent digital customer engagement automation. It integrates analytics, artificial intelligence (AI), and marketing automation to assist enterprises in driving customer value management and generating measurable economic benefits more efficiently. Key features include:

- Autonomous campaign optimization via AI (Robo-X).
- Intelligent decisioning with Next Best Offer (Offer-X) recommendations.
- End-to-end marketing automation with reusable templates.
- Advanced analytics for customer insights and campaign efficiency.

#### 2. Eazy charge EV Route planner

Developed a full-stack web application to help electric vehicle (EV) users plan optimized travel routes. Users input a starting point and destination, and the app calculates an efficient route with strategically located charging stations and rest stops based on the vehicle's mileage.

- Built a responsive **React** front-end for intuitive user input and route display.
- Designed a **Node.js** back-end to handle mileage calculations, route logic, and API integration.
- Integrated **Google Maps API** for route generation, nearby EV charger discovery, and direct navigation redirection.

#### 3. Partner Payment App

- Created an interactive workspace for managing partners/trainers and payments.
- Collaborated in the design and development of the platform, with a strong focus on creating an intuitive and responsive user interface.
- Implemented approval flow functionalities including features for approving, rejecting, and tracking payments.
- Used NodeJS and ExpressJS for the backend, ReactJS for frontend and MongoDB as the database.

## EDUCATION

JULY 2021

Bachelor of Technology | **APJ Abdul Kalam Technological University** | Trivandrum