

# Remya Karthika Rajappan

Lead Frontend Architect | CSPO certified

Address: Zimmerstr.10, Berlin, Germany, 10969

Email: [remya.karthika.rajappan@gmail.com](mailto:remya.karthika.rajappan@gmail.com)

LinkedIn: <https://www.linkedin.com/in/remya-karthika-rajappan-71825672/>

## PROFESSIONAL SUMMARY

A dynamic and results-driven Senior Solution Architect with over 12 years of expertise in software development, specializing in front-end technologies such as **Angular, React, TypeScript, HTML5, CSS3**, and responsive design. Proficient in designing and implementing **Micro frontend architectures** to deliver scalable and modular applications, with extensive experience leveraging **Git, Jenkins CI/CD pipelines**, and **cloud platforms** to drive seamless development and deployment workflows. Adept at leading cross-functional teams in agile environments, ensuring the delivery of high-quality, consumer-focused products through rigorous acceptance testing and iterative development. As a seasoned Product Owner, excel in managing end-to-end product life cycles, from requirement analysis and architecture to final implementation, while aligning technical strategies with business objectives. Known for fostering innovation, enforcing front-end best practices, and delivering robust, user-centric solutions that drive measurable outcomes.

## SKILLS

- Angular
- Angular Material
- React
- Node.js
- Typescript
- Redux
- NgRx
- Vue.js
- HTML 5
- CSS 3
- SCSS
- Bootstrap
- JavaScript
- RxJS
- Jasmine
- Karma
- Firebase
- Python(Django)
- Java
- Spring Boot
- MongoDB
- SQL
- CI/CD pipelines
- Jenkins
- Git
- Docker
- Kubernetes
- Product Development and Management
- Micro frontend Architecture
- Integration and Deployment
- Creating prototypes and innovative solutions
- End to End product lifecycle management
- Agile Methodologies
- Solution Architecture

## WORK HISTORY

**SENIOR SOLUTIONS ARCHITECT** 10/2023 to 10/2024  
**IBS Software**, Thiruvananthapuram, Kerala, India

- Modernized the **Dynamic Revenue Management Suite** for airlines using **Angular, NgRx**, and advanced front-end technologies. Enhanced state management, optimized performance, and redesigned the UI for improved user experience. Integrated predictive analytics and data models to drive more effective revenue optimization strategies.
- Developed a proof-of-concept (POC) showcasing an intuitive interface for leveraging **Generative AI capabilities**. Utilized **Llama3-based Language Translation Engine** to demonstrate seamless natural language processing, enabling advanced translation workflows and expanding AI-driven product features.
- Designed and implemented a reusable and modular UI framework in **Angular**, tailored for Rule Engine development. This framework enabled standardized and efficient integration across multiple products, reducing development time and ensuring consistent user experience.

**FULL STACK ENGINEERING SPECIALIST** 01/2022 to 10/2023  
**Accenture**, Bengaluru, Karnataka, India

- Led the **UI development** of **Cybersource Value Calculator** using **Angular** for one of the leaders in digital payments . Designed and implemented a highly responsive and scalable user interface, incorporating **NgRx** for efficient state management, ensuring seamless integration with backend services and delivering an intuitive,

high-performance user experience. Applied **modern front-end best practices** to create a robust, user-centric solution tailored to business requirements.

- Led the end-to-end delivery of the software product as **Product Owner**, from **requirement gathering** to **final implementation**, ensuring timely and high-quality releases. Managed the product backlog, prioritized features, and facilitated **Agile** processes, including sprint planning and daily stand-ups.

## LEAD II - Software Engineering 02/ 2019 to 12/ 2021

UST, Thiruvananthapuram, Kerala, India

- Led the **technical development** of high-performance UI applications for multiple clients, overseeing the architecture, design, and implementation of user interfaces using **Angular**, **React**, and **Redux**. Ensured the applications were not only scalable and maintainable but also optimized for performance, meeting both functional and business requirements. Architected solutions that adhered to best practices, leveraging **state management** frameworks like **NgRx** and **Redux** to handle complex application states efficiently. Focused on delivering intuitive, responsive, and dynamic interfaces that aligned with client expectations, ensuring seamless user experiences across a variety of platforms.
- Led the development of cutting-edge features such as **Speech-to-Text conversion** and **Audio playback embedding**, integrating these technologies into the product to enhance its functionality and user experience. Played a crucial role in the **Innovation Engineering** team, contributing to the ideation, prototyping, and implementation of forward-thinking solutions.
- Accountable for defining the **solution architecture**, ensuring a robust and scalable technical foundation. Oversaw **code quality** through best practices, code reviews, and the enforcement of coding standards. Managed **release planning** to ensure seamless deployment and timely product releases, coordinating with development and QA teams to ensure a smooth rollout.

## TECHNOLOGY ANALYST 07/2012 - 02/2019

Infosys, Thiruvananthapuram, Kerala, India

- Led UI development using **Angular**, implementing responsive, high-performance applications aligned with business requirements. Designed and developed **Proof of Concepts (PoCs)** and demos for migrating legacy systems to modern web technologies, leveraging cutting-edge frameworks such as React and Angular to enhance scalability and maintainability.
- Spearheaded the development of both **static** and **dynamic web pages** for USA's **number 1 entertainment studio** music division. Created dedicated **artist web pages**, each integrated with **concert booking facilities**, providing users with seamless access to artist information and event scheduling. Used **CSS3** and **Photoshop designs** to accurately translate visual designs into functional, responsive web interfaces.
- Contributed to the development of a document processing platform for **America's largest publication and case law firm**, utilizing **XSLT** and **XML** for **API-driven applications** to parse and process complex legal documents efficiently. Employed **Java** for extensive backend processing, ensuring high performance and data accuracy throughout the system.

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## CERTIFICATIONS

- **Certified Scrum Product Owner (CSPO)**
- **Microsoft Certified: Azure Fundamentals**
- **Frontend Development with React**

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## EDUCATION

Amrita Vishwa Vidyapeetham University, India  
**MASTER OF COMPUTER APPLICATIONS**, 05/2012

University of Kerala, India  
**BACHELOR OF SCIENCE**, COMPUTER SCIENCE, 05/2009

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**ACCOMPLISHMENTS** **INSTA Award**, Infosys, 12/14/2016  
**USTAR Award**, 05/22/2021