

Muthukrishnan K

Lead Frontend Developer

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I am a Lead Frontend developer with over 8 years of experience working in Angular, React JS, HTML, CSS and Javascript technologies on AEM and Hybris platforms. I focus on building scalable, reliable, and performance-efficient large-scale web applications end-to-end for both B2B and B2C customers. I enjoy working on challenges by breaking down the complexity and converting them into simple, intuitive interface elements using modern frontend frameworks. I've worked across retail and Insurance domains and in a product ecosystem where I've specialised in architecting efficient and reusable front-end components that drive complex web applications.

I'm a quick learner with strong analytical and problem-solving skills. I've worked predominantly on agile projects and I've managed end-to-end delivery by coordinating with multiple stakeholders and the business teams.

Experience Summary

- Defining the frontend architecture - setting up libraries for coding standards, identifying libraries for development based on the scope of technical requirements and unit testing - to build a holistic framework for efficient and faster development.
- Hands-on Coding - involving Javascript ES6, HTML, CSS and frameworks such as Angular and React for building web components that are optimised for high performance.
- Building & maintaining reusable components and theming libraries for websites to create consistent, coherent user experience for customers across the brand.
- Setting up CI/CD pipelines for deployment and branching strategy using Jenkins and Git for a reliable delivery process.
- Preparing Solution Design and Data Structure for API/third-party integrations with web applications along with the backend team.
- Building Content authorable and customisable components using AEM without compromising the user experience by following a modern approach of Headless CMS.
- Involved in a large-scale UI transformation for a leading retailer by setting up development process between the UX, UI and backend teams. Worked on improving the User Interface and reducing build time and associated costs.
- For a CSR initiative, developed a hybrid mobile app that was equipped to handle high volumes of traffic without compromising on performance, quality and security.
- Have been leading and mentoring a 8 member team for over 4 years

Key Skills

Front End

- React, Redux
- Babel, Grunt, Webpack
- Angular, Ionic, HTML, CSS3
- Javascript, ES6, SASS
- Sock.io, Underscore.js

DevOps

- Jenkins

Testing

- Cucumber, Protractor, Karma

Database

- Firebase

Platforms

- AEM
- Hybris
- GCP

SDLC

- Github, Confluence, ER Diagrams

Certification

Web Developer - Microsoft

Project Experience

Project: Woolworths Insurance - WooliesX

Role: Lead Frontend Developer , Tata Consultancy Services (Australia)

Duration: Dec 2017 - PRESENT

Tech Stack: AEM, React, Redux, Node JS, APIGEE, Jenkins

About the project:

Woolworths Limited is a major Australian company with extensive retail interest throughout Australia and New Zealand. Worked on different domains and projects of Woolworths such as Rewards website, credit card, Mobile and Insurance.

Played a major role in the delivery of the self-service portal of Woolworths Insurance where the customer can log to check their policy details, amend policy details, edit payment, download certificate of insurance and many more features.

Key Responsibilities:

- Setting up architecture & implementing best practices for the front end team
- Building & maintaining reusable authorable components in AEM using HTML, CSS, Javascript
- Integrating with API using libraries and framework such as Axios, React, Redux
- Integrating multiple payment libraries such as Westpac, eWay using API
- Implemented and developed the application from inception to completion
- Designing the data structure for API/third-party integrations with web applications along with the backend team
- Built the continuous integration/DevOps pipeline using technologies like GitHub, Jenkins and AEM
- Leading & mentoring a 8 member front end development team.

Project: Workplace Reimagination

Role: Lead UI Developer, Tata Consultancy Services (India)

Duration : June 2015 - November 2017

Tech Stack: React, Redux, ROR, Angular, Jenkins

About the project:

This initiative aims to incorporate the best of design, technology and behavioural science to create modern and persuasive experiences for the employees in an organization for collaboration, learning and document management.

Delivered responsive web apps and mobile applications based on the latest front-end frameworks like Angular, Socket, React and Typescript.

Key Responsibilities:

- Setting up the architecture for the Enterprise suite of apps - Enterprise messaging, Document management, Learning, and Performance management
- Design and development of various app modules leveraging the power of HTML, CSS, Javascript, AngularJS and React framework.
- Implementation and development of Use Case and defect fixing, Peer code review, and providing solutions for the implementation of complex issues in the use case.
- Worked closely with UI/UX team to convert the app design into responsive layout using HTML, CSS3 and other responsive framework.

Project: Aegon Insurance

Role: Senior UI Developer, Tata Consultancy Services (Scotland)

Duration: June 2014 - May 2015

Tech Stack: Angular, Java, AEM, Jenkins, Ionic

About the project:

Retiready is a free digital retirement, saving and planning service provided by pension, insurance and investment company Aegon UK. It is designed to help people assess what their income needs will be in retirement and choose suitable products to achieve them.

Played a major role in implementing and delivering the web-based application build on Java and AEM

Key Responsibilities:

- Interacting directly with clients to understand their requirements
- Worked with third-party vendors to implement the design as per Customer-defined standards and Usability standards.
- Worked closely with the UI/UX designer while developing different responsive web view using HTML5, CSS3, LESS and bootstrap.
- Automated the continuous integration/DevOps pipeline using technologies like GitHub and Jenkins
- Designed and developed a theming & style guide components framework in AEM platform.

Project: Social Media Platform

Role: Frontend Developer, Tata Consultancy Services (India)

Duration: Dec 2011 - May 2014

Tech Stack: Angular, ROR, CoffeeScript, Slim

About the project:

TCS's internal social network, Knome, acts as a hub for communications and innovation. Played a key role in building this product with the best user experience.

Key Responsibilities:

- Coordinating with the Design team and Backend team to ensure smooth delivery and adhering to the Design and Performance Standards
- Building interactive data visualization for data analysis using D3 and highcharts.
- Worked closely with the UI/UX designer while developing different responsive web view using HTML5, CSS3, SASS and bootstrap.
- Worked on developing API on Ruby on Rails framework and integrating with Slim UI.

Education

Anna University, Chennai — Bachelors in Electronics and Communication

Aug 2007 - May 2011