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# Venkatachalam Meyyappan

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## Senior Software Engineer

### TECHNICAL EXPERIENCE

#### Senior Software Engineer

April 2021 — Present

*Mr.Cooper*

- Spearheaded the creation of a Gatsby application to host the marketing pages of Mr.Cooper thereby making these pages server side rendered. This resulted in the improvement of the lighthouse score of the pages from around 20% to 80%.
- Architected the flow of showing customized banners to users. Created a separate application to design different banners templates supporting different themes and deployed the final banner templates to a cloud storage, effectively making it a deployment with no dependency. Also worked on injecting these final banners in to our website. This resulted in an 10% increase of lead generation via the website.
- Re-engineered the old Common Components library to React/Typescript with Emotion to create styled components. Also changed the build strategy to enable Tree shaking therefore reducing the bundle size of applications using this library by around 30% - 40%. Made sure that the components in the library can be server side rendered and integrated with Storybook to preview the components.
- Developed a multi step form component to making it easier to include forms to any page reducing the developer effort by around 75% to spin up a form.
- Worked on building different variants of a landing page and then run A/B tests on them using Google Optimize to understand which version of the page performs better.

#### Software Engineer 2

April 2019 — March 2021

*Mr.Cooper*

- Contributed in development of a Common Components library which had a bunch of React components being reused across various micro front-end applications of the Mr.Cooper website. Also defined the Layout of the website on this library to provide a seem-less UI experience for customers across various micro front-end applications.
- Worked on creating a Single Page Application called Tuneup, to showcase the various refinancing options provided by Mr.Cooper increasing the page visits for refinance by around 20%.
- Helped in setting up a automation project called Harvis for running regular sanity checks on the website and notifying if something went wrong.
- Improved the docker build time and reduced the docker image size of existing applications by around 50% through the introduction of multi-staged dockerfiles to cache different steps when building a docker image.
- Conducted learning sessions for interns on basic git, javascript, react, etc., required to start contributing to projects. Also conducted sessions on docker and basic kubernetes to understand how it used to orchestrate and manage containers.

#### Software Engineer 1

April 2017 — March 2019

*Mr.Cooper*

- Worked on building a notification system for Mr.Cooper, which supported sending out notifications through various mediums like sms, email using Kafka. Also developed a UI for this system, which showcased the templates for existing use cases and also had the capacity to add new templates.
- Worked on developing a starter kit for new micro front-end applications for the Mr.Cooper website using Node, React, Redux and Webpack making it easy to kick-start new applications on this stack.
- Saved around \$200 per month single-handedly by removing a direct connection to Elephant SQL from a two year old customer facing web application developed on Ruby on Rails. Developed simple REST API's using spring boot and consumed them in the web application to replace the direct database calls.

### SKILLS

Languages	JavaScript, Java
Frameworks	React, Redux, Node
Tools	Webpack, Docker, Git
Also Worked on	Spring Boot, Ruby on Rails

### EDUCATION

Bachelor of Engineering in Computer Science, Anna University, Chennai

April 2017

CGPA - 8.01

Higher Secondary School, St. John's Mat.Hr.Sec.School, Chennai

March 2013

Perc - 93