

Amal Rajan

Front End Engineer



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EXPERIENCE

TECHIONS SOFTWARE LABS | SOFTWARE ENGINEER

October 2019 – Current | Kochi, India

- Create reusable and accessible React components with TypeScript/JavaScript
- Helped the team to migrate from client-side rendering to server-side rendering in Next.js and reduce page load time by an average of 40%
- Build and maintain multiple internal tools that are built with React, TypeScript and JavaScript that use third party and internal APIs
- Introduced and helped the team to adopt cache management library react-query that helped to improve the user experience of the app
- Build browser extensions using React and TypeScript for the client's team, which doubled their workflow speed
- Helped the team to get up to speed in testing React applications with Jest and React Testing Library
- Created automation programs using Puppeteer with Node.js for various testing scenarios and monitoring
- Build a search service from scratch using Node.js and TypeScript that queries Elasticsearch instance
- Communicate with clients and other engineering teams daily
- Deploy and manage client's cloud servers

PROJECTS

TYPING TEST | REACT, TYPESCRIPT

2020

- Developed a typing test application using React and TypeScript
- Shows the user the typing speed and accuracy of the user in real time
- Has multiple types of tests that can be selected by the user

SLEEP TRACKER | REACT, REMIX, TYPESCRIPT, PRISMA

2021

- Developed a sleep tracker application using React, Remix, TypeScript and Prisma
- Allows the user to track their sleep patterns and analyze their sleep patterns

KINDLE HIGHLIGHTS | NODE.JS, TYPESCRIPT, PUPPETEER

2022

- Developed and published a node script that extracts highlights from the Kindle and shows them in the terminal
- Scrapped the highlights using Puppeteer and Node.js

SKILLS

PROGRAMMING

Proficient:

JavaScript • HTML • CSS
TypeScript

Familiar:

Java

LIBRARIES/Frameworks

React • Node.js • Redux
Next.js • Vue

TOOLS/PLATFORMS

Git • Webpack • Jest • AWS
Docker

EDUCATION

UNIVERSITY OF CALICUT

BACHELOR'S IN COMPUTER SCIENCE

April 2020 | Kerala, India