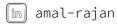# Amal Rajan

Front End Engineer

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Experience

TECHIONS SOFTWARE LABS | Software Engineer

October 2019 – Current | Kochi, India

- → Built and maintained multiple internal tools that were built with React, TypeScript and JavaScript that used the third party and internal APIs
- → Created 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%
- → Introduced and helped the team to adopt cache management library react-query that helped to improve the user experience of the app
- → Built browser extensions using React and TypeScript for the client's team, doubling their workflow speed
- → Built and maintained extensions for the Adobe Launch platform with React for the UI, JavaScript and node for the backend logic
- → 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
- → Built a search service from scratch using Node.js and TypeScript that queries Elasticsearch instances
- → Communicated with clients and other engineering teams daily
- → Deployed and managed the 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, PostgreSQL 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