

# Amal Jose

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## EDUCATION

University of Southern California, Los Angeles

Master of Science - Computer Science

National Institute of Technology, Calicut

Bachelor of Technology - Computer Science and Engineering

## SKILLS

Programming Languages	Javascript, Typescript, Python, C, C++, Java, Swift, PHP
Frontend Development	React, React-Native, CSS5, Styled-components, Emotion CSS, React Native, JQuery, Angular, Jest, Enzyme, Selenium, webdriver.io
API Development	NodeJS, Django, Flask, Springboot, MongoDB, Cloud Firestore, PostgreSQL, MySQL, OrientDB, Redis
DevOps	AWS, Google Cloud, Azure, Firebase, Jenkins
UX Tools	Figma, Sketch
Others	NLTK, Dialogflow, ReactVR, iOS, Progressive Web Apps, Cordova

## WORK EXPERIENCE

### Spotnana

Senior Software Engineer (Frontend)

July 2023 - Present

Palo Alto, California

#### • Online Booking Tool - *React, React-Native, TypeScript, Emotion CSS*

- Enhanced the Flight Booking Flow by redesigning the Confirmation page, Promo codes, and Multi-Airport Search, resulting in a more intuitive and efficient booking experience.
- Redesigned the setup process for PCCs by developing a rule engine that provides TMC agents with greater flexibility in selecting PCCs for Air, Rail, Car, or Hotel bookings.
- Developed the UI for document parsing feature, enabling users to upload itineraries for AI-based parsing. This innovation reduced manual form filling time by at least 40%, significantly improving efficiency.
- Delivered several enhancements to corporate policies and custom site messaging, enabling admins to implement hierarchical policies and tailor messaging across various screens.
- Contributed to building foundation components with a strong emphasis on accessibility, ensuring an inclusive and user-friendly platform.

### USC School of Pharmacy

UI/UX Developer

October 2021 - May 2023

Los Angeles, California

#### • Scholarly Projects - *Python, Django*

Maintained and enhanced a research project management tool, replacing a spreadsheet-based system, which increased student participation and streamlined the idea submission process.

#### • ECases - *React, styled-components, Figma*

Designed wireframes and developed an eCase building tool, replacing the old Twine-based system, which simplified eCase creation and improved efficiency for Pharmacy professors and students.

### Guidewire Software

Full Stack Engineer Intern

May 2022 - August 2022

San Mateo, California

#### • Guidewire Live, Risk Assessment Admin - *React, styled-components, Figma, axe-tools, Jest, Enzyme, Spring*

Revamped an existing Angular 1.6 application by rewriting the code in React, prototyping in Figma and using in-house component libraries, which reduced security vulnerabilities and improved performance, scalability, and maintainability.

## Tesco

Software Development Engineer (Frontend)

July 2018 - July 2021

Bengaluru, Karnataka

- **MyProduct Promotions** - *NodeJS, React, styled-components, Jest, Enzyme, Redis*

Designed and developed an advanced frontend interface for the discount management module, integrating middleware, caching, and test automation. This transformation **decreased duplicate and stale promotions by 60%**, significantly improving operational efficiency.

- **Unified Dashboard** - *React, styled-components, NodeJS, MongoDB, Jest, Enzyme*

Solely developed an entire project tracking dashboard for unified visualization and analysis of stories, code quality, app health and user experience metrics and support processes in single view. This dashboard **reduced the need to access multiple sources, significantly enhancing workflow efficiency and saving time.**

- **MyEveryday Conversations** - *React, styled-components, NodeJS, PostgreSQL*

Developed a dynamic frontend for a conversation logging system, facilitating efficient management of meetings and Performance Improvement Plans. This initiative **increased engagement by 30% and centralized employee data.**

- **Product Group ID Matcher** - *React, styled-components, Python, Flask, scikit-learn*

Built an intuitive frontend for an AI-based product categorization tool, automating inventory management. This solution **accelerated the addition of new products by 60% and reduced errors by 20%**, optimizing overall system performance.

## Goldman Sachs

Summer Analyst Intern

May 2017 - August 2017

Bengaluru, Karnataka

- **Database Migration** - *Java, Gremlin, Groovy, OrientDB*

Re-engineered the application's graph-based data structure by migrating from Neo4j to OrientDB, **enhancing GraphDB performance and ensuring a measurable increase in efficiency** through rigorous migration benchmarks.

## PROJECTS

- **Market Sentiment** - *React, styled-components* - [marketsentiment.live](https://marketsentiment.live)

Implemented a live sentiment analysis and visualization dashboard that periodically checks stock ticker mentions in Twitter tweets to analyze their sentiments and provide insights for stock trading.

- **Create Styled React Component** - *JS, React, styled-components, Jest* - [amaljose96.create-styled-react-component](https://github.com/amaljose96/create-styled-react-component)

Published a Visual Studio Code extension to aid in faster frontend development using React styled components through creation of boiler-plate code that includes files for styling and unit tests.