

Sanjay Raj R

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EDUCATION

Ramaiah Institute of Technology

Bachelor of Engineering in Computer Science, CGPA: 9.29/10.0

Bengaluru

August 2017 - May 2021

SKILLS

Programming Languages: Javascript, Typescript, Java, C++, Python
Frameworks / Libraries: NextJS, ReactJS, Spring Boot, Cypress, Jest, JUnit
Certifications: AWS Certified Cloud Practitioner
NPTEL - Programming, DSA using Python (Elite Performer)
NPTEL - Programming in C++ (Elite Performer)

WORK EXPERIENCE

JP Morgan Chase & Co.

Bengaluru

Software Development Engineer 1 and 2

August 2021 - March 2024

- Transitioned to a new project focused on modernizing and migrating JPMC's flagship marathon platform, The [Corporate Challenge](#), to a cutting-edge tech stack. As a founding team member, established the frontend repositories using **NextJS, ReactJS with Typescript** and set the foundation for future development in an agile environment.
- Led the adoption of **Split.io (feature flagging tool) and Tanstack Query** for RESTful API calls, providing training for product teams and colleagues to ensure successful implementation and usage.
- Optimized integration testing by fine-tuning the use of **Cypress**, achieving a reduction in test execution time by **over 20%**.
- Collaborated closely with the AWS team to gain a comprehensive understanding of **Kubernetes** architecture and pioneered the integration of **Amazon SQS** to streamline the ticket booking process for the application.
- Expanded expertise by delving into the backend codebase, gaining in-depth knowledge of APIs utilized by U.S. banks to retrieve credit scores, enhancing overall system understanding and collaborating with mobile teams to debug and optimize cross-platform responsive web applications.
- Assumed greater responsibilities by working on **Spring Boot**, Feign clients, and backend testing, and successfully developed the application's end-to-end ticket booking flow.
- Served as **Frontend Lead** for the Indian team, driving technical excellence, aligning project goals, and mentoring team members to transition into full-stack Reactjs developers through effective knowledge transfer and collaboration.

Software Development Engineer Intern

March 2021 - July 2021

- Worked as a **Frontend JavaScript** Developer at JP Morgan, leading the development of a key feature for the **Credit Journey platform**. Collaborated in an Agile, Scrum-driven environment to drive the feature from conception to deployment, delivering it a month ahead of schedule.
- Collaborated closely with the QA team to understand ADA requirements and optimize testing strategies for web applications across diverse devices, ensuring robust performance and compatibility.
- Modernized existing JavaScript code by **migrating from ES4 to ES6**, enhancing code maintainability and increasing test coverage by **20%** for the pre-existing codebase.

PROJECTS

Green Guru (Industry Project)

- Collaborated and led a team to design and develop a web-based **MEAN Stack** application in partnership with a company. The platform streamlined the process of connecting farmers directly with businesses, enabling farmers to update produce availability in real-time while allowing businesses to place bulk orders efficiently.

Aireview (Unisys Ltd)

- Developed and led the creation of a web-based application for airport operations, leveraging social media analytics to process and classify over 10,000 reviews monthly. Achieved **95%** classification accuracy while reducing processing time by **40%**.

AWARDS

JPMC Awards

Earned JPMC's Collaboration Award for modernization and code safety and the Jumpstarter Award for implementing feature flagging with Split.io.

Eu-Reka TDCS Regionals

July 2019

Won the regional championship in the IEEE-hosted Eu-Reka TDCS competition and advanced to the national-level finals organized by the IEEE Pune Chapter.