

Aditya Rao

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EDUCATION

San Jose State University

Master of Science in Computer Software Engineering

USA

2024 - 2026

SIT, Visvesvaraya Technical University (VTU)

Bachelor of Engineering in Computer Science & Engineering

India

2016 - 2020

PROFESSIONAL WORK EXPERIENCE

Senior Software Engineer, *PharmEasy* - Bengaluru, India

2020 – 2024

- Led development of multiple micro-services like Offers, Payments, Audience, Orders & Widgets in **Java, Kotlin and JavaScript** by writing scalable and efficient APIs and **queries** in a structured and robust design.
- Led the integration with **Paytm** as the payment partner for all transactional services, resulting in a reduction in failure rate by 10% and reduction in overall cost to the company per transaction - **saved \$100k per month**.
- Spearheaded the development of a **Customer Loyalty Program**, boosting user retention and engagement through targeted rewards, ultimately driving long-term customer relationships and increasing revenue by **10%**.
- Migrated a high-priority **audience service** from **Python to Kotlin**, improving throughput and enabling multi-tenant use cases. Optimized architecture, reducing error rates by **9%** and API latency by **23%** across integrated services.
- Developed an **in-house RPA tool** in **Python**, replacing proprietary software and parallelizing **RDP sessions**, resulting in an annual cost saving of **\$600K**.

Tech Intern, *MiQ digital* - Bengaluru, India

2020

- Migrated existing **Docker** containers for running automation scripts to the **Kubernetes cluster**, enabling load balancing of services and better system monitoring thus improved overall stability of services by **20%**.
- Developed a performance test framework using **Gatling and Scala** to perform load tests of APIs and identifying bottlenecks in performance of services before major software releases and updates.
- Designed and implemented a **customer-facing dashboard** that visualized real-time ad performance metrics with interactive graphs, enabling actionable insights and optimizing decisions, leading to a **10%** increase in sales.

PROJECT EXPERIENCE

Costrive: Buildspace - Nights & Weekends S5 | *Kotlin, React, MySQL, Docker*

Present

- Building a **social media platform** for founders with messaging, posts, event scheduling, and notifications, empowering them to network, collaborate, and grow through scheduled events.

Feed Service - *Pharmeasy* | *Kotlin, Llama2 - LLM, Spider MySQL, Kubernetes, Figma, React*

2023

- Devised an **AI-driven** content framework that dynamically delivers personalized healthcare content, boosting cross-selling commerce application sales by **15%**, and won in a hackathon with a **\$10,000 prize**.

JustInformit - Global Hackathon, HackIQ | *Flutter, Dart, Natural Language Processing, Chatbot integration*

2020

- Created a **smart app** for reporting crimes and emergencies, integrating an **NLP chatbot** to improve response times by categorizing contacts based on location, addressing inefficiencies in India's public safety systems.

Just-News - SIT, Major Project | *React, Solidity, Ethereum blockchain, Machine Learning*

2019

- Developed a **decentralized** news platform on the **Ethereum blockchain** that filters fake news and rewards readers for accurate voting. Implemented a **reward-based feedback loop** to ensure accountability, earning the highest grade.

SKILLS SUMMARY

Languages: Java, Kotlin, SQL, HTML, CSS

Frameworks/Libraries: Spring Boot, Express, React

Database/Tools: JDBC, MYSQL, Kafka, ELK stack, Instana, Jenkins, Github, Postman, Docker, Kubernetes

ACHIEVEMENTS/CERTIFICATIONS

- Received the quarterly award for 'Raise the bar higher, always' at PharmEasy for high impact quality work.
- Won the state level inSight hackathon -2017 held in VTU, India.
- Qualified for the Grand Finale of the national level Smart India Hackathon 2018 organized by Government of India.
- Industry orientation workshop on Cloud Computing & DevOps, Free Software Movement, Karnataka
- Certified training on Full Stack Web Development, Modern React with Redux, Modern Javascript Bootcamp & Java Advanced backend development