

# RAVIRAJ INDRAGANTI

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## EDUCATION

**Masters in Software Engineering**, San Jose State University Expected May 2024  
Relevant Coursework: Cloud Computing, Enterprise Application Development, Distributed Systems, Software Platforms.

**Bachelors in Computer Science**, SASTRA University Jul 2017 - Jun 2021  
Relevant Coursework: Data Structures, Algorithms Analysis, Object Oriented Programming, Database Management, Operating Systems, Computer Networking, Machine Learning, Parallel and Distributed Systems.

## EXPERIENCE

**Software Development Engineer** Aug 2021 - Jun 2022  
Appviewx Bengaluru, India

- Designed and developed Cloud Connector, enabled Appviewx to migrate as a SaaS, using **Kafka, SpringBoot, Junit, Kubernetes, Docker, AWS, MongoDB, Microservices Architecture**, which increased sales by **50%**.
- Achieved **Multi-tenancy** by developing Cloud-DC, reduced **60+%** usage of cloud resources.
- Integrated, designed, and developed Pre-requisite feature to evaluate a machine's ability to run Appviewx using **Java, REST APIs, Linux Shell Script, and MongoDB**.
- Achieved **98% customer satisfaction rate** on **Jira** by debugging, and resolving **50+** bugs reported by customers.
- Represented, gained, and shared knowledge in On-call meets and team mentoring sessions (3+ times a week).

**Software Development Engineer Intern** Feb 2021 - Jul 2021  
Appviewx Coimbatore, India

- Developed new features to Appviewx using **SpringBoot** and integrated them with **REST APIs**.
- Resolved **30+** internal bugs reported by the Quality Assurance(QA) Team.
- Wrote clean, maintainable, scalable, and well-tested code with **Mockito, Junit, Object-Oriented Programming**.

## SKILLS

**Programming Languages** C++, Java, JavaScript, Python, MySQL, MongoDB.  
**Technologies/Framework** HTML5, CSS, Jackson, JUnit, Mockito, REST, SpringBoot, RESTful APIs, React, Redis, Kafka, Docker, Kubernetes, Amazon Web Services, GCP, Node.js, Scrum, Jenkins.  
**Tools** Git, Maven, JIRA, Confluence, Postman, IntelliJ.

## PROJECTS

**IoT & Smart Meter Management System** <https://youtu.be/VtEs2G7VCRo> - Github Dec 2022

- Skills:** ReactJS, NodeJS, ExpressJS, MongoDB, MySQL, AWS IoT core, Kubernetes, Docker.
- Led a team of **4** to design and develop a **SaaS Multi-tenancy** platform using **MERN stack**, to manage **IoT** devices.
- Built a **Cron** job to get the device status and consumption metrics by applying **multithreading** for parallel device calls.
- Implemented **CRUD** operations for the devices with a user-friendly interface with **React, MySQL** and added billing component and payment methods for different time frames.
- Containerized the application using **Docker-Compose** and **Kubernetes** and deployed in **AWS**.
- Employed **AWS load balancing, AWS CloudWatch, AWS EC2, AWS Auto Scaling, AWS S3** to achieve highest level of SaaS.

**CryptoSpoor** <https://heartfelt-crumble-85a0b1.netlify.app> - Github Nov 2020

- Skills:** ReactJS, Rapid API, Chart JS, Redux, Ant Design.
- Created a fully Responsive **Crypto** Tracking app built with **ReactJS, Redux** and **Ant Design**.
- Displayed **top 100** cryptocurrencies and the latest news, events related to a specific coin, reducing **80%** of research time.
- Provided detailed information on each cryptocurrency, including the price chart with different time frames.

## LEADERSHIP

**President** - Math Club@SASTRA, a club for conducting Math related events and **problem-solving**. Jan 2018 - May 2021  
**Head** of Telugu Sahithi Samithi, SASTRA University, a cultural club for Telugu-speaking people. Jan 2020 - May 2021