

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 Jul 2021 - Jun 2022
Appviewx *Banglore, India*

- Designed and developed Cloud Connector, enabled Appviewx to migrate as a SaaS, using **Kafka, SpringBoot, Junit, Kubernetes, Docker, AWS, MongoDB, Micro-Services 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, ReST 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, Node.js, 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 components and payment methods and analytics 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, Chart JS, Ant Design.
- Created a fully Responsive **Crypto** Tracking app built with **ReactJS, Rapid API** 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