

Jayasai Kalyan Reddy Tummuru

Available to relocate nationwide | kalyanreddy.tummuru@gmail.com | (602) 815-0032 | [linkedin.com/in/kalyanred/](https://www.linkedin.com/in/kalyanred/) | github.com/kalyanreddy

EDUCATION:

Master of Science, Computer Software Engineering

Arizona State University, Tempe, USA.

GPA: 4.0

Coursework: Data Structures & Algorithms, Foundations of Software Engineering, Data Visualization, Software Project Management.

Bachelor of Technology, Computer Science and Engineering

SASTRA University, Thanjavur, India.

Coursework: Design & Analysis of Algorithms, DBMS, Object-oriented programming, Computer Networks, and Cloud Computing.

TECHNICAL SKILLS:

Programming and Scripting: Java, Python, JavaScript, SQL, Shell

Web Technologies: HTML, CSS, XML, JSON, React, jQuery, Jest, Redux, Express, Node.js, TypeScript

Databases: RDBMS (MySQL, PostgreSQL), NoSQL Databases (Cassandra, MongoDB, DynamoDB, Firebase)

Tools and Frameworks: J2EE Technologies, Spring, Spring Boot, JPA, JSP, REST API, Selenium, JUnit, Mockito, Git, Kafka, Docker, Jenkins, Splunk, Maven, Gradle, Tomcat, IntelliJ, Visual Studio Code, Eclipse, STS, Amazon Web Services (AWS), Jira, Figma, Microsoft- Office.

Operating Systems: Windows, Linux, MacOS.

PROFESSIONAL EXPERIENCE:

Software Development Engineer Intern, Amazon, US

August 2022 – Nov 2022

- Designed and implemented an end-to-end Operational Console, that enables owners of 78 reports to query and debug data ingestion or report data issues for the platform with 521MM online requests.
- Designed and Developed REST APIs to extract ingestion status & logs from the DynamoDB table & S3 buckets based on date.
- Developed APIs in the backend to re-drive the messages in the Simple Queue Service programmatically.
- Utilized React to display the ingestion status, logs, and failed messages on the frontend.
- Developed production-level code while implementing code review standards followed by the team.

Full-Stack Developer, TCS | Java, Spring Boot, STS, React, JUnit, Mockito, Git, Sonar, Nexus

March 2021 – July 2021

- Developed Microservices and RESTful service endpoints using Spring Boot and implemented logging for the whole application using Log4J.
- Implemented Continuous integration and Continuous delivery (CI/CD) for build and deployment automation using DevOps tools, Jenkins, Sonar, Nexus IQ, and Nexus.
- Used React to generate reports to help the users to view products that give maximum profits.
- Improved the code quality through unit tests with 95%+ test coverage.

Software Engineer, Cubespace Technologies | Java, Spring Boot, React, My SQL, Kafka, Git

March 2019 – March 2021

- Involved in Requirements gathering, Analysis, Design, Development, and Testing of applications using AGILE methodology. (SCRUM) in a test-driven development (TDD) approach for enterprise applications using Java.
- Designed and implemented multiple REST APIs for the application and integrated them with UI.
- Implemented Spring Boot microservices to process the messages into the Kafka cluster setup.
- Designed and Developed the UI from scratch primarily using React.js.
- Created custom reusable components to meet the design requirements of the clients.
- Designed and implemented automation flows utilizing GitHub, Jenkins, and Nexus.

Software Engineer Intern, Easy Way Technologies, India | Java, React.js, Spring Boot, My SQL

May 2018 – June 2018

- Developed a full-stack web application called College Management System that manages the details of Faculty, Students, Payments, Grievances, Courses, and other Resources.
- Implemented various components to display UI templates and built REST APIs which enable the multiple user roles to perform CRUD operations to a dynamic database.
- Implemented Spring security for application access and authorization.

PROJECTS:

Pro Shop | React.js, Java, Spring Boot, MongoDB

- Developed a fully functional e-commerce website that allows customers to browse products, add them to their cart, and make purchases using PayPal & credit/debit payments.
- Enhanced the website by enabling the users to rate and review the products after purchasing them successfully.

Network Intrusion Detection System | Python, Decision Tree (Machine Learning), React, Flask, Docker

- Developed a system to identify anomalies occurring in a network by keeping track of the information such as source bytes, destination bytes, network speed, etc. to track potential hacker attacks and network breaches.
- This is accomplished by putting a big dataset of diverse network characteristics into machine learning classification algorithms to generate a model, which is then containerized and deployed in the cloud using Docker.