KISHAN BYROSU

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**EDUCATION:**Master of Science, Computer Science | California State University| Aug 2021 - May 2023   
Bachelor of Technology, Computer Science Engineering| JNTU, Hyderabad | Aug 2015 – June 2019

**TECHNICAL SKILLS**

**Languages** - Java, C, Solidity, strong in Data Structures.

**Frameworks** –Microservices, Spring Integration, Nodejs, Spring Boot, Kafka, REST.

**Databases & Servers** - MySQL, MongoDB, Apache Tomcat.

**Platforms:** AWS (EC2, S3), Docker.

**Tools**: GIT, Eclipse, JIRA, Postman, Junit, Fogbugz.

**Software Testing Tools** - Selenium Suite, Protractor.

**Certifications**: Oracle Certified Associate JAVA SE-8

**PROFESSIONAL EXPERIENCE:**

**Rythmos India Private Ltd** | **Software Developer May 2019- March 2021 (22 months)   
Environment** -Microservices, Spring Integration, Spring Boot, Nodejs, Web Services, Kafka, MongoDB, Jenkins.   
**Product: “Reactor CX”**

* Development of Business logic using Spring Framework and Spring Integration for consume customer information to process and publish the messages to downstream consumers for acquire, redeem, and refund points.
* Deployment and Testing of Java code by understanding the architecture, scope and functionality of Jenkins, Postman and SoapUI. And closely worked with Kafka Admin team to set up Kafka cluster setup on the QA and Production environment.

**OpenText Technologies** | **Software Development Intern June 2018 – May 2019 (12 months)   
Products: (Content Server** & **TeamSite)**

* Worked on improving UI components for Images & Video Module of TeamSite Product using Angular.  Automated testcases and fixing locators for product by using Protractor.
* Implemented Integration testing for Content Server product by using Selenium suite with Java. Reduced manual effort by automating functionality and system tests using Selenium WebDriver, TestNG.

**ACADEMIC PROJECTS:**

**Dhvani Foundation** | **SpringBoot, ReactJs, Docker, AWS EC2, Apache Kafka.**

* Charity based web application which helps to conduct projects, events based on the causes.
* Developed business logic and end to end application using Spring boot, ReactJS and written APIs to add, delete, edit properties, customers data. Dockerized and deployed the web application on AWS.
* Developed the scripts to test the applications performance and scalability by generating huge data and simulated multiple users at a time.

**Pathfinding Algorithm Visualization | Python, Pygame, Git**

* Reduced rendering times by 10% by changing how visited locations were stored.
* Implemented the Breadth-First, Depth-First, and A\* pathfinding algorithm.

**Amazon Prototype | Solidity, Ethereum (ERC 721), WebJs, Apache Kafka, AWS EC2, AWS S3, Docker, Meta Mask, Truffle Framework, IPS File system.**

* Developed a prototype of the Amazon E-commerce website using Blockchain Technology.
* Used load balancer for backend server to achieve high scalability, improved performance by adding Kafka to address high traffic volumes and using IPFS file system for Image storge on Blockchain Network.
* Dockerized and deployed application on AWS Blockchain Ethereum.

**Handshake Prototype** | **ReactJS, Redux, NodeJS, Express, MySQL, MongoDB, Kafka, JWT, Passport, GraphQL**

* Developed a prototype of the Handshake application, a platform for posting jobs and candidates applying to these jobs using MERN Stack.
* Implemented Apache Kafka to prevent bottleneck during high website traffic, deployed project on an AWS EC2 instance, and tested application performance through JMeter.