

Krishna Chaithvika Lagadapati

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Work Experience

Informatica, Redwood City, USA

Jan. 2021 to Aug. 2023

Role: Senior Software Engineer

- Designed and built micro services and single page responsive app for the Informatica 3P Marketplace Webstore.
- Coordinated with product managers, wrote design documents, drove collaboration with partner teams, defined service contracts and led full stack engineers to drive product completion.
- Developed multiple features and API's using service oriented architecture.
- My work consisted of end to end Java and Kotlin based implementation at multiple layers. Adding new subresources to our centralized API. Implemented plugin architecture to publish new resource data to our centralized API using REST and Spring boot.
- Implemented Web app layer to build html based widget components based on business needs using ReactJS to render interactive experiences for customers to purchase new products.
- Reduced performance side operational cost by 40 percent by refactoring the code for elastic search indexing and optimizing it.
- Developed the backend order processing service for thousands of concurrent transactions. Implemented a performant and eventually consistent solution.
- Used AWS services Fargate, Lambda, AWS S3, AWS DynamoDB to build, deploy, scale and manage wide range of software applications
- Worked on migrating from legacy PHP based service to eradicate security risks. Consumed Web services - WSDL and SOAP for getting information from 3rd applications.
- Converted a Monolithic app to Microservices Architecture using Spring Boot 2.0 using 12-factor app methodology by following Test Driven Development. Deployed, Scaled, Configured, wrote manifest file for various Microservices in Open shift/Kubernetes environment.

Role: Software Engineer

Aug. 2019 to Dec. 2020

- Participated in the analysis, design, development, and testing phases of application using Agile methodology and involved in code review and deployment of the application on development, and testing of production servers. Used AWS Elastic Beanstalk service for deploying various infrastructures which orchestrates various AWS services.
- Implemented Spring Boot Micro services to divide the application into various sub modules.
- Implemented Web Services (WSDLs) using JAX-WS and also implemented REST services by Golang with micro services architecture Docker, Kubernetes.
- Front-end - Worked on both React Typescript and AngularJS - Implemented websites and landing pages from concept through deployment; Standardized all output with new, responsive, mobile-first approach and strategy; Assessed UX and UI designs for technical feasibility
- Back-end development using Java and Kotlin to develop new features; Implemented Kotlin with Android content providers for implementing features like sending emails, SMS etc from the app and designed suitable GUI for these applications; Provided code maintenance and system upgrades to maximize performance; Built databases and table structures using EMF model for the applications developed.
- Helped document and improve the software release process for the team. Added metrics to new features in order to improve software observability.
- Communicated with quality assurance team to design and setup test plans.
- Identified and dealt with a significant process bottleneck that boosted coding efficiency by 35 percent when resolved.

Role: Associate Software Engineer

June 2018 to July 2019

- Developed REST APIs using Spring Boot and documented them using Swagger
- Worked on UI feature enhancements and bug resolving using AngularJS
- Developed automation and integration tests using selenium. Also worked on regression testing and bug tracking
- Executed Benchmarking, Load and Performance test procedures using Spark, Hbase and Jmeter
- Train, manage and provide guidance to software development interns

Education

International Institute Of Information Technology – Telangana, India

July 2019 - June 2021

- Master of Science – Information Technology

GPA: 3.5

Dhirubhai Ambani Institute Of Information And Communication Technology – Gujarat, India

July 2014- May 2018

- Bachelor of Technology – Information and Communication Technology

Technical Skills

Programming Languages: Java, Kotlin, JavaScript, Python, C, Sql, HTML/CSS, PHP

Web Technologies Frameworks : AngularJS, ReactJS, Spring Boot, NodeJS, REST APIs, JSON, XML, Git

Databases: MySQL, Oracle, DynamoDB, HBase, Hive, Phoenix, PostgreSQL, MongoDB

Testing and Quality Assurance: JUnit, Mockito, SpringBootTest

Cloud and Infrastructure: Amazon Web Services (AWS), Docker

Data Engineering: Selenium, YARN Hadoop, Spark, Jmeter

Academic Projects:

Placement Website | MERN stack, HTML, Bootstrap, CSS, Git

- Developed a placement portal using ReactJS and NodeJS for both mobile and web usage where users will be able to register and then log in to see all the details regarding the drive happening and notifications will be to the users regarding any updates.
- I also implemented version control, resembling GitHub's functionality which supports uploading various versions of resumes for different companies and keeping track of them for further insights.

Student Management Survey Web Application | ReactJS, Rancher, AWS, JavaScript, NodeJS

- Developed an MVC-based full-stack container-based web application with a serverless backend using AWS Lambda, Java, and ReactJS, and implemented a CI/CD pipeline
- Utilized Rancher and EC2 instances to create a cluster and successfully deployed the application