

Lagadapati Krishna Chaithvika

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EXPERIENCE

Informatica

Redwood City, CA

Senior Software Engineer

Jan. 2021 – Present

- 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 lead full stack engineers to drive product completion.
- Developed multiple features and API's using service oriented architecture.
- My work comprised of end to end Java and Kotlin based implementation at multiple layers. Adding new sub resources 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.

Software Engineer

Aug. 2019 – 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 Type Script and Angular JS - 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.

Associate Software Engineer

June 2018 - July 2019

- Developed REST APIs using Spring Boot and documented them using Swagger
- Worked on UI feature enhancements and bug resolving using Angular JS
- 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

TECHNICAL SKILLS

Languages: Java, Kotlin, Python, R

Databases: Oracle, SQL- Server, MySQL Server, PostgreSQL, MongoDB, Hbase, Hive, Phoenix, Cassandra

Frameworks: React, Node.js, jsp, Angular, Backbone, Express.js, Flask, JUnit, Swagger

Web Dev: Spring Boot, HTML, CSS (SCSS), Bootstrap, JavaScript, jQuery, React.js, Type Script, Flask, Angular JS, Angular JS Material

Data Engineering: Selenium, YARN Hadoop, Spark, Jmeter

EDUCATION

International Institute Of Information Technology

Telangana, India

Master of Science, Information Technology

July 2019 – June 2021

Dhirubhai Ambani Institzute Of Information And Communication Technology

Gujarat, India

Bachelor of Technology, Information and Communication Technology

July 2014 – May 2018

ROLES AND RESPONSIBILITIES

- Received best team player award for exception client service at Informatica for managing and delivering 3P Marketplace product effectively
- Student Placement Co-ordinator for the class of MSIT 2020-2021
- Chief organizer for Sambhav at DA-IICT, 2015-2018

PROJECTS

Placement Website | *MERN stack, HTML, Boot Strap, CSS, Git*

- Developed a placement portal 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 which supports uploading various versions of resumes for different companies and keeping track of them for further insights.

Detection of Motorcyclists without Helmet

- Inspired by a paper from IIT-HYD, worked on detection of motorcyclists without helmets in videos using convolution neural network which is a highly desirable but challenging task due to various difficulties such as occlusion, illumination, poor quality of surveillance video, varying weather conditions, etc.