UDDESHYA VERMA

SOFTWARE ENGINEER

CONTACT

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SKILLS

Languages : Java, Golang, Python

Frameworks : SpringBoot , ReactJs, NodeJs (Socket.IO)

Databases: MySQL, DynamoDB, AWS ElastiCache, REDIS

Technologies: AWS, GIT, Swagger, Junit, Mockito, Hibernate, Kafka

FrontEnd: HTML, CSS, Javascript, Bootstrap, Tailwind CSS

EDUCATION

Pranveer Singh Institute of Technology, Kanpur

B. Tech - CSE

2016-2020

CERTIFICATES

- Core Java - RCPL India
- Java Spring Boot Framework - Udemy
- Python - HackerRank
- SQL - HackerRank
- Go: Frescoplay

ACHIEVEMENTS

- Cleared TCS Digital Exam.

- Completed two AWS training sessions through Trainocate.

PROFILE

" Passionate Software Engineer with 3 years of experience in developing and scaling robust applications utilizing Java, Spring Boot, JavaScript, Golang, Python, Node.js, and ReactJS. Expert in designing efficient database solutions with MySQL and Redis, and proficient in leveraging AWS, Kubernetes, and Docker for cloud-based deployments and containerization. Demonstrated ability to identify and resolve complex technical challenges. Highly adaptable, successfully transitioning between four programming languages within three years to meet diverse project demands. Eager to apply my comprehensive expertise to contribute significantly to your team's success. "

WORK EXPERIENCE

Tata consultancy Services — April 2021 - Now

Java (SpringBoot) | Golang | Python | AWS | REDIS | MySQL

PROJECTS
2021-2024

1 . Load Testing Platform - JTaaS - Java Springboot

- Engineered scalable Load Testing as a Service (LTaaS) platform, enabling efficient test scheduling and orchestration across multiple worker agents/clients.
- Accelerated REST API response times by 50% through strategic Redis Cache integration, optimizing server-side performance.
- Enhanced database efficiency by optimizing complex SQL queries for streamlined data retrieval from MySQL.
- Developed a MockMVC test framework for increasing the test coverage of the server side codebase.
- Implemented a flexible interface utilizing a switch variable to leverage Redis Cache as a secondary data source, bolstering data accessibility and performance.

2 . AWS Based Automated Alert System - Python

This project is a subset of Load Testing Platform Project and It is an AWS-Based monitoring automated alert system that will monitor the health of AWS-related resources, specifically EC2 and EKS. It will Create / Resolve tickets when an issue occurs.

- Streamlined ticket management by architecting Python Lambda functions to automate ticket creation and resolution processes, enhancing efficiency and accuracy.
- Configured AWS services (DynamoDB, SNS, S3, CloudWatch) to construct a scalable and adaptable infrastructure, ensuring system reliability and performance.
- Promoted infrastructure as code (IaC) practices by co-developing CloudFormation templates, facilitating streamlined deployments and infrastructure management.
- **AWS TECHOLOGIES USED** : DynamoDB, SNS, Lambda - Python, CloudWatch, S3 and CloudFormation.

3 . CLI - Secrets Management Interface - Golang

It is a tool to securely encrypt/decrypt files and also provides a Secrets Management Interface. I have Worked on adding the functions in an existing Project CLI using Golang

4 . API for a Banking & Insurance Company - Java SpringBoot

Contributed to the development of an insurance application programming interface (API)

- Caching Optimization with AWS ElastiCache Integration (Redis).
- Asynchronous Reactive Programming with Spring WebFlux.
- Conducted unit and integration testing using JUnit and Mockito.
- Utilized JIRA to streamline project management processes.

Personal Projects : These are my personal portfolio websites created using HTML , CSS , Javascript, Bootstrap and ReactJs

- PORTFOLIO
- Gym React Site
- Game Website
- Portfolio - ReactJS