

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
- Attended 2 AWS Trainings - TRAINOCATE

PROFILE

"Passionate software engineer with 2 years and 10 months of experience building and scaling robust applications using Java, SpringBoot, JavaScript, Golang, Python, NodeJS, and ReactJS. Skilled in designing efficient database solutions with MySQL and REDIS. Adept at leveraging AWS, Kubernetes, and Docker for cloud-based deployments and containerization. Proven ability to identify and solve complex technical challenges. Highly adaptable, demonstrated by seamlessly switching between four programming languages within two years while tackling diverse projects. Eager to leverage my expertise to contribute meaningfully 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 TECHNOLOGIES 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 Programming with Spring Flux.
- Conducted unit and integration testing using JUnit and Mockito.

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

- [PORTFOLIO](#)
- [Gym React Site](#)
- [Game Website](#)
- [Portfolio - ReactJS](#)