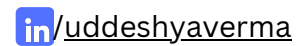


UDDESHYA VERMA



SOFTWARE ENGINEER



CONTACT

+91-7355548542
uddeshya31@gmail.com
<https://uddeshya-ud.github.io/>
Ambedkarpuram, Awas Vikas
3, Kanpur - 208017

SKILLS

Languages : Java, Golang,
Python, Javascript

Frameworks : Spring Boot ,
ReactJS, Node.js (Socket.IO)

Databases: MySQL, DynamoDB,
AWS ElastiCache, REDIS

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

FrontEnd: HTML, CSS,
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 the TCS Digital Exam
- Completed 2 AWS training sessions through **Trainocate**.

PERSONAL PROJECTS

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

PROFILE

Software Engineer with 3.5+ years of experience specializing in Java, Spring Boot, JavaScript and Golang. Proficient in MySQL, Redis, AWS, Kubernetes and Docker. Demonstrated success in tackling complex technical challenges, delivering high-quality solutions and adapting to evolving project requirements. Eager to leverage my skills to drive success and innovation in your team.

WORK EXPERIENCE

Tata Consultancy Services, Noida - 3 YEARS

April 2021 - Now

Java | Spring Boot | Golang | Python | AWS | REDIS | MySQL

PROJECTS - TCS

2021-2024

1. Load Testing Platform - Java | Spring Boot

- Engineered scalable Load Testing as a Service 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 Mock MVC test framework to increase 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.

DynamoDB | SNS | Lambda - Python | CloudWatch | S3 | 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. Banking & Insurance Company API - 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.

5. Spring Boot application integrating the Jeasy rules engine

- Utilized **Jeasy** to implement complex business rules and logic, enabling dynamic decision-making and improved maintainability.
- Conducted thorough unit and integration testing using **JUnit** and **Mockito** to ensure the accuracy and reliability of the rules.