

# UDDESHYA VERMA



SENIOR SOFTWARE ENGINEER



## Contact

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## Skills

**Languages:** Java (Primary), Golang, Python, Javascript

**Frameworks/Libraries:** Spring Boot , ReactJS, Node.js (Socket.IO), Spring security, Spring WebFlux, Jsoup, SLF4J

**Cloud :** AWS ( EC2, S3, SNS, CloudWatch, Lambda, ROSA )

**Databases:** MySQL, DynamoDB, Redis

**Tools/Techs:** Copilot, JWT, OAuth2, GIT, Maven, Docker, Kubernetes, Swagger, JIRA, Kafka, Gitlab CI, Postman

**FrontEnd:** HTML, CSS, Bootstrap, Tailwind CSS

**Testing:** JUnit, Mockito

**AI Tools :** Github Copilot

## Education

Pranveer Singh Institute of Technology,  
Kanpur

B. Tech - CSE

2016-2020

## Certificates

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

## Achievements

- Passed the TCS Digital Exam
- Completed 2 AWS training sessions through Trainocate.

## Personal projects

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

## Profile

Senior Software Engineer with 4+ years of experience building cloud-native, high-performance applications using Java, Spring Boot, and AWS. Skilled in REST API development, CI/CD automation, and backend optimization across BFSI and enterprise domains. Delivered robust, scalable solutions at TCS and Accenture. Adept at leveraging tools like Docker, Kubernetes, Redis, and GitLab CI to accelerate delivery and ensure system reliability. Known for leadership capabilities, strong communication skills, and effective team collaboration.

## Work Experience

- Tata Consultancy Services, Noida - Software Engineer** 2021 - Oct 2024  
Java | Spring Boot | Golang | Python | AWS | REDIS | MySQL
- Accenture, Noida - Senior Analyst** Oct 2024 - present  
Java | Spring Boot | JavaScript | ROSA Migration

## Projects - TCS & Accenture

2021-2025

### 1. UI Converter Plugin - Java | Javascript - (BFSI Domain) - Accenture

- Developed a Java and JavaScript-based plugin to automate **UI framework migration** by restructuring elements across applications using the Jsoup library. Supports **JS, TS, JSX, TSX, HTML, and JSP formats**, enabling seamless migration for **React, Angular, and JSP**-based apps.
- Added report generation using **Freemarker** templates to summarize parsed files, converted tags, and overall migration percentage.
- Delivered 3 months' worth of development work in just 1 month** by leveraging **GitHub Copilot**, automation, and efficient code structuring—significantly accelerating project timelines.

### 2. ROSA Migration for REST Microservice Application (BFSI Domain) - Accenture

- Assisted in migrating REST microservice applications to AWS **ROSA** (Red Hat OpenShift Service on AWS), ensuring smooth integration and full functionality.
- Configured **Gitlab CI/CD** pipelines to automate and streamline application deployment processes.

### 3. Banking & Insurance Company API - Java | SpringBoot - TCS

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**.
- Used **JIRA** to manage project tasks and streamline team collaboration.

### 4. Spring Boot Application with Jeasy Rules Engine (BFSI Domain) - TCS

- 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.

### 5. Load Testing Platform - Java | Spring Boot - TCS

- Built a scalable Load Testing platform** for efficient test orchestration across worker agents and clients.
- Improved API performance by 80% by integrating Redis Cache** and a dynamic switch-based data interface.
- Optimized complex SQL queries**, reducing database execution time.
- Developed a Mock MVC test framework**, boosting backend test coverage to over 90% for reliable testing and early bug detection.

### 6. AWS Based Automated Alert System - Python- TCS

Part of the Load Testing Platform, this AWS-based system monitors **EC2/EKS** health and auto-manages issue tickets.

- Streamlined ticket management by designing Python AWS Lambda** functions to automate ticket creation and resolution, improving efficiency and accuracy.
- Configured AWS services including **DynamoDB, SNS, S3, and CloudWatch** to build a scalable, reliable, and high-performance infrastructure.
- Promoted **Infrastructure as Code (IaC)** by co-developing AWS CloudFormation templates to enable automated and consistent deployments.

### 7. CLI - Secrets Management Interface - Golang - TCS

- Developed and enhanced a secure CLI tool in **Golang** for **file encryption and decryption**.
- Implemented additional functions to extend the existing Secrets Management Interface within the CLI project.