

# Smriti Yadav

Experience: 3+ year

## Educational Qualifications

Bachelor's Degree in  
Information Technology.

## Front-end Development

- React JS
- Bootstrap

## Programming Languages

- Python
- JavaScript

## Back-end Development

- Python
- Boto3
- FastAPI
- Flask
- Django

## Design Pattern

- Singleton (Dependency Injection)

## Databases

- MySQL
- PostgreSQL
- SQLite
- Redis
- DynamoDB

## Cloud & DevOps

- AWS
- Azure
- Docker

## Domain Expertise

- Cloud Computing
- Logistics
- Supply Chain
- Governance

# Software Engineer

Software developer with 3 years of experience in developing and enhancing web applications. Proficient in Python and React, with hands-on experience in AWS and Azure. Known for delivering user-friendly, efficient solutions, managing projects effectively, and collaborating with teams using agile methods within the estimated time frames.

## Work Experience : Software Engineer

### Key Responsibilities:

- Developing APIs, writing test cases, managing Jira tasks, and handling daily Git activities.
- Integrating APIs with the UI and performing unit testing
- Overseeing team tasks and Jira management, coordinating with QA, tracking project progress, communicating with clients about blockers and requirements, and estimating team time and effort.

### Projects Undertaken:

- **Innovgrid | Serverless Architecture.**

Developed an B2B platform for cloud computations and setting up company infrastructure, provisioning cloud machines, which could execute models and high-performing tasks. This application was based on serverless architecture approach using Singleton Design Pattern across the application.

**Technologies used:**Python (Boto3), Serverless Architecture, DynamoDB, CloudFlare, Guacamole, LDAP, AWS (EC2, Secret Manager, IAM, API Gateway, Lambda, Cloudformation Templates), Docker, BitBucket,

**Design Pattern :** OOPs, Dependency Injection- Singleton.

- **Horizon River Technologies | MVT Architecture**

I developed an automation script in Python to process and track invoice URLs, categorizing them by status (e.g., broken URL, success, paid, unpaid). This tool enhances the monitoring of invoices across multiple retail locations. Additionally, the overall application, which was built using Flask and MySQL .

**Technologies used:**Python (Flask), MySQL, Azure

- **WeProcess | MVC Architecture**

Developed a compliance management portal designed to streamline government compliance processes. I built the backend using FastAPI, integrated it with MySQL for data storage, and implemented caching with Redis to improve performance. These APIs were integrated with a ReactJS frontend.

**Technology Used:** Python, React JS, MySQL, Redis, Celery, Flower.

- **IntelliSafe Analytics | FastAPI, MySQL, React JS**

Led the backend development of a real-time worker monitoring system using IoT devices to track metrics such as acceleration, temperature, and EDA. Implemented data ingestion and processing pipelines, storing information in a MySQL database.