

# Twinkle Yadav

Software Engineer

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## 👤 PROFILE

Experienced Backend Software Developer specializing in Python, Django, AWS, Docker, MySQL/MongoD. Proficient in designing and implementing robust backend solutions, optimizing performance and ensuring scalability.

Along with setting up CI/CD pipelines for automating the build, test and deployment processes.

Adept at frontend development with Angular, contributing to fullstack projects.

## 📁 PROFESSIONAL EXPERIENCE

### **Damco Solutions Pvt. Ltd.**

*Senior Software Engineer*

Nov 2022 – present | Faridabad, India

#### **Dockvue System : Warehouse Management System**

- Design, Implement, and Maintain microservices architecture of multi-tenant application in **Python** utilized by warehouse distributors and carriers to streamline operations.
- Gained expertise by **integrating APIs**, managing requests, and ensuring compatibility and reliability across, an IAM application, a core master application to manage other services.
- Debugging and Troubleshooting complex issues within the backend infrastructure, including identifying bottlenecks, resolving errors, and ensuring system stability
- Implemented end-to-end **CI/CD pipelines** with **Jenkins** using **Docker**, covering both frontend and backend development aspects.
- To ensure the reliability and correctness of the backend, implemented **unit tests**, integration tests, and end-to-end tests.
- Integrated Superset to develop a reporting portal, empowering clients to access and visualize a wide range of data reports, enhancing decision-making capabilities.

#### **Hackathon**

- Developed an internal recruitment system, I've excelled at robust database management **PostgreSQL**, ensuring data integrity and efficiency.
- Deployed on **AWS EC2** machine using Docker container.
- Set up monitoring tools for tracking application health, performance metrics, and error tracking using AWS CloudWatch.
- Took part in collaborative code reviews to ensure quality standards.
- Demonstrate proficiency in various technologies including **Docker, PostgreSQL, Redis, Celery**.

### **RenewBuy - D2C Consulting Services Pvt. Ltd.**

*Software Engineer*

Aug 2020 – Nov 2022 | Gurgaon, India

#### **Dealer Onboarding & KYC Portal**

- Designed the database and developed APIs for the signup and KYC journey for dealers.
- Implemented functionality for document upload and verification by the operations team.

## SKILLS

- Python
- Django
- Flask
- DevOps
- PostgreSQL
- MongoDB
- Angular8
- GRPC
- Docker
- Apache Kafka
- Redis
- AWS Cloud
- AWS S3
- GraphQL

## EDUCATION

### **Dr. A.P.J. Abdul Kalam Technical University**

*B.Tech in Computer  
Science and Engineering*

May 2014 – May 2018

Uttar Pradesh

- Integrated the portal with the existing partner journey.
- Used **Apache Kafka** for internal microservice communication.

#### **Geospatial Partner Locator : Advisor Finder**

- Collaborative development of a mapping application to locate nearby partner leads.
- Implementation of location-based lead filtering.
- Architecture design and development for campaign management.
- Integration with Exotel IVR API for partner communication.

#### **Video Conferencing Solution: iMeetings**

- Supervising the delivery, development, and maintenance of the video conferencing platform.
- Developing Backend for processing and consuming data.
- Integrating **Webex** APIs to manage meetings and user access.
- Implementing scripts for managing meeting recordings on **S3**.

#### **Insurance Product Recommendation Engine**

- Developed API endpoints for user profile management and insurance product recommendations.
- Acquired expertise in implementing intricate logic for parsing and processing user data with precision and efficiency..
- Skilled in **Angular** for dynamic frontend development. Experienced in architecting asynchronous APIs for efficient data consolidation and processing

### **Ebsavvy Infotech Pvt. Ltd.**

*Machine Learning Engineer*

Jun 2019 – Aug 2020 | Noida, India

#### **AI360 : Product sales analysis and automation**

- APIs for analyzing the purchasing power of the people in a certain geographical area and recommending categories of Wines to be kept in the brick and mortar stores nearby.
- Created a chatbot using **Amazon Lex** and **Lambda** functions querying **MongoDB** for the responses to user queries
- Implemented multiple image processing python scripts and **Pandas** to clean, binarize and de-skew images, apply an OCR engine on top of it to process the data and expose the same using **RestAPI**.
- Created an object detection, image orientation detection and recognition model to classify Wine bottles into different categories and brands.