

# ASHISH YADAV

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Dynamic **Full-Stack Engineer** with proficiency in **Python** and **Javascript** Frameworks. Expertise in building and optimizing web applications with an additional skill set of DevOps tools such as **Docker, Kubernetes, Jenkins** and Cloud Tech (**AWS, Azure** and **GCP**). Known for strong problem-solving skills and effective communication with clients and that too in fast-paced working environments.

## PROFESSIONAL EXPERIENCE

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**Metacube Software Pvt. Ltd, Jaipur**  
**Software Engineer**

Oct 2021 – Present

### Client: Suntory Global Spirits (RGM Tool)

- Developed an RGM Tool with **React**, leveraging **MUI, Redux, Recharts**, skeleton loading, and Axios for a dynamic and responsive frontend, resulting in a 30% increase in user engagement.
- Implemented a robust backend using **FastAPI**, ensuring efficient data handling with **PostgreSQL**, improving data retrieval speed by 40% using indexing and refining schemas..
- Employed **Jenkins** for seamless CI/CD deployment pipelines, enhancing development workflow and productivity, leading to a 50% decrease in deployment time
- Integrated **RabbitMQ** for efficient message queuing and handling asynchronous tasks, which improved system reliability and reduced downtime by 20%.
- Led **UX** initiatives to create intuitive and engaging experiences that delight users and drive business goals.

### Client: Computer Data Source (CDS - Integration Tool)

- Managed the **migration** of clients from **ZohoDesk** to **Salesforce CRM** and built the Integration tool for different customers.
- Consolidated disparate services written in **.NET, TypeScript**, and legacy Python into a cohesive Python **FastAPI framework**.
- Utilized **Docker** for seamless local development environments and efficient production deployments, optimizing reliability and scalability.
- Integrated the tool with Salesforce CRM, leveraging **Pub/Sub gRPC** protocol and Salesforce **Platform Events** for seamless bi-directional data synchronization.
- Implemented **OAuth** authentication to enhance system security and ensure data integrity.
- Implemented **Azure Monitor** for efficient log distribution and **Distributed Tracing**, reducing incident response time by 30%.
- Developed a **Pytest**-based testing framework to automate testing processes, improving development efficiency.
- Effectively communicated technical concepts and project progress to clients, ensuring alignment of deliverables with business objectives.
- Conducted professional demonstrations of the Integration Tool, showcasing technical proficiency and highlighting the tool's impact on enhancing business operations.

### Client: Catylex Inc. (Contract AI Tool)

- Catylex is a contract analytics tool that uses AI for businesses that need to extract and optimize contract data and provide better QC experience to users..
- Led the development of both frontend and backend components for web applications, utilizing **React** for responsive user interfaces and Python **Django** for server-side logic.

- Designed and implemented a scalable, high-performance solution using AWS **Lambda** for serverless computing, **S3** for storage, **ECS** and **EC2** for containerized workloads, and **Redis** for fast caching and data management
- Collaborated closely with data scientists to integrate machine learning models into client applications. Leveraged python libraries(**numpy, sklearn, fuzzywuzzy, pandas**) for seamless data preprocessing and model integration, resulting in data-driven features that increased user engagement by 20%.
- Diagnosed and resolved complex performance issues, reducing page load times by 40% and enhancing user satisfaction. Leveraged **MongoDB Atlas** for query optimizations.
- Successfully developed and delivered a key module (Contracts De-Duplication Detection and Mass Data Propagation)independently, contributing to product promotions and driving significant sales growth for the client.

## PROJECTS

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### IoT-Based Home Automation Web Application

APR 2021

- Led the development of an IoT-powered web application for home automation.
- Enabled users to remotely control home appliances through an intuitive web interface.
- Achieved a significant 30% reduction in energy consumption, showcasing expertise in IoT technology, web application development, and data-driven solutions.

### Face Recognition System

MAY 2021

- Developed a robust face recognition system using Python and the OpenCV library, achieving an impressive 95% accuracy rate.
- Designed user-friendly frontend interfaces with React.js for seamless image uploading and interaction.
- Implemented secure backend infrastructure with Python Django, showcasing proficiency in full-stack development and computer vision using lightweight libraries.

## EDUCATION

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Jaipur Engineer College and Research Centre, Foundation, Jaipur, Rajasthan

2018-2022

### Bachelor of Technology (B.Tech)

- Bachelor's Degree in Electronics and Communication Engineering, with distinguished 8.5 GPA.
- Recognized for exceptional contributions to the final year project, showcasing practical problem-solving skills and innovative thinking.

## SKILLS & OTHER

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**Languages and Frameworks:** Python (Django, Flask , FastAPI Framework), JavaScript(React, Node)

**Databases:** MongoDB, PostgreSQL, Microsoft SQL Server

**DevOps:** Docker, Kubernetes, Jenkins, OpenLens, Azure Cloud, AWS, GCP

**Development/Test Tools:** PyCharm, VsCode, Postman, Swagger,