Rohit Gaikwad

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Programming Languages: Python, SQL

Frameworks: Django, Flask, FastAPI

Message Broking Tools: Celery, Redis, RabbitMQ

Libraries: NumPy, Pandas, PySpark SQLAlchemy, Pymongo, JWT, Oauth2, Multithreading, Multiprocessing, ORM, Pydantic, Unittest, Tenacity, Black.

Tools & Systems: Middleware, Webhooks, Git, Bitbucket, PyCharm, VScode, Postman, Databricks, Docker, Kubernetes, JIRA, Jenkins, Grafana, Sentry

Databases: MySQL, PostgreSQL, MongoDB, NoSQL

Delivery Method: Agile/Scrum Methodology (JIRA), CICD Workflows (GitHub Actions)

Cloud Platforms: Azure, AWS

Languages

English, Hindi, Marathi

Education

Bachelor of Engineering |**2019**| **First Class** Pune University.

Highly motivated individual and a certified **Python-Cloud Developer** looking for the challenging role in a reputable organization to utilize my Python web development and Data Engineering skills for the growth of organization as well as to enhance my knowledge about new emerging trends in the IT sector.

Experience

Software Developer	**Software Developer**
Binmile Technologies	Stylus Systems
Jan 2024 - Present	**Oct 2020 - Jan 2024**

- A detail oriented professional with **4+ years of experience** in **Software Development** that includes experience in API's and Web development with expertise in Booking, Insurance & Ecommerce domain.

- Good experience in the entire **Software Development Life Cycle** (SDLC).

- With core python knowledge that consists of **OOPS Concept**, **HPC Python, Memory Management, Iterators, Generators**

- Experience in developing **Views and Templates** with python to create a user-friendly website interface

- Strong experience & knowledge in of **Django framework and** Authentication like **JWT and Oauth2.**

- Experience in designed Functional decomposition of **Django Rest framework & ORM.**

- Worked on **Data cleaning** and ensured **data quality**, consistency, integrity using Pandas, Numpy and Pyspark

- Involved in executing SQL QuerySets & ORM queries to perform database **CRUD operations.**

- Experience in Message broking tools like **Redis, RabbitMQ**

- Experience in development of API using **Flask and Fast API Framework**

- Worked on **Repository management tool** like **GitHub** and Continuous Integration tool like **Jenkins and GitHub Actions.**

- Experience in **developing SQL scripts** to validate the databases tables and reports data for database testing using DML and DDL commands.

Projects

Project 01   [Jan 2024 - Till Date]

Project Title	:	Trainman
Client	:	Adani Digital Labs
Domain	:	Indian Railways
System / Component	:	Trip Assurance, FCS, Scraper, Booking API, pnrApp, Running Status API IRCTC API
Technology	:	Python, Django, Flask, MySQL, MongoDB, Azure, AWS, Jenkins, Bitbucket, Docker, Redis, Celery, Pandas, Numpy, Matplotlib, Scrapping, OpenCV, Sklearn
Role	:	Python-Cloud Developer

Responsibilities:

- **Requirement Analysis:** Collaborated with the business team to define precise requirements, enhancing overall project clarity and ensuring smoother development cycles.

- **API Optimization**: Developed and optimized high-performance APIs using **Django REST Framework**, improving the Trainman App's responsiveness and scalability.

- **Issue Resolution:** Proactively identified and fixed issues in the app, reducing customer complaints and platform downtime, ensuring improved user satisfaction.

- **Feature Development:** Integrated new features like **Zomato coupons** and train activation dates, resulting in higher engagement and feature adoption.

- **Schedule Optimization via Scraping:** Leveraged web scraping to collect schedule data from external sources, reducing reliance on costly IRCTC API calls and significantly lowering operational costs.

- **API Monitoring:** Utilized tools like GRAFANA and SENTRY to monitor and analyze API logs, improving uptime and detecting bottlenecks, leading to a more reliable service

- **System Integration:** Managed CLEARTRIP API integration, enhancing system scalability and flexibility, which contributed to better handling of traffic spikes.

- **Cache Management:** Developed cache-clearance functionality, reducing Redis load by 40%, improving performance and scalability during peak usage.

- **Wallet Functionality:** Implemented TM Wallet refund features, leading to a 50% increase in user retention, improving customer loyalty.

- **Asynchronous Messaging:** Integrated Celery and Redis to implement asynchronous messaging, improving system responsiveness and overall user experience.

- **Promotions & Referral Systems:** Developed and deployed promotional campaigns and a referral system, driving a 15% increase in customer acquisition.

- **Developer Training:** Provided comprehensive training to new developers, reducing onboarding time by 25% and ensuring quicker project ramp-up.

- **Cross-Functional Collaboration:** Coordinated closely with various technical teams, ensuring smooth communication and accelerating project timelines.

Project 02   [Nov 2022 – Dec 2023]
Project Title   :   Intelligent Object Routing and CUBE – IORC
Domain   :   Ecommerce
Client   :   Tommy Hilfiger
Technology   :   Python, Django, Flask, FastAPI, MySQL, MongoDB, AWS, PySpark
Role   :   Python Web Developer

Responsibilities:

- **Backend Development with Django & Flask:** Developed robust backend solutions using Django and Flask, ensuring high-performance and scalable applications for customer analytics and reporting.

- **API Development with FastAPI:** Built and optimized fast and efficient RESTful APIs using FastAPI, ensuring seamless integration between frontend and backend systems.

- **Database Management with MySQL & MongoDB:** Designed and maintained relational and NoSQL databases (MySQL, MongoDB), ensuring data integrity and optimizing query performance.

- **AWS Cloud Integration:** Utilized AWS services such as EC2, S3, and RDS to deploy and manage applications, ensuring reliable and scalable cloud-based solutions for the project.

- **Data Processing with PySpark:** Leveraged PySpark for large-scale data processing and analysis, improving performance and handling big data efficiently for customer insights and business analytics.

- **Optimized Database Queries:** Worked on optimizing complex SQL queries in MySQL and MongoDB, ensuring minimal latency and enhanced database performance.

- **Automated Reporting:** Developed Python scripts and automated solutions for data extraction and reporting, streamlining the process of generating real-time business insights.

- **Cloud Data Storage and Management:** Utilized AWS S3 for scalable data storage and managed cloud databases to handle the growing data needs of the application.

- **Data Modeling with PySpark:** Created custom data models using PySpark to enable advanced analytics, resulting in improved customer segmentation and targeted marketing strategies.

- **Building REST APIs with Flask and Django:** Designed and implemented RESTful APIs with Django and Flask, ensuring seamless communication between frontend and backend for various e-commerce analytics features.

- **Integrated Machine Learning Models:** Worked with data science teams to integrate machine learning models into the backend, enabling predictive analytics and enhanced customer targeting.

- **Version Control and Collaboration:** Utilized Git and GitHub for version control, ensuring smooth collaboration and efficient management of codebase across teams.

- **Continuous Deployment with AWS:** Set up CI/CD pipelines for automated deployments to AWS, ensuring faster delivery and updates for production applications.

Project 03 [Nov 2020 – Dec 2022]

Project Title	:	Agent Intelligence Guide
Domain	:	Insurance
System / Component	:	IDAM, Data Sourcing API's, Tagging API's, Core API
Technology	:	Python, Django Rest, Flask, MySQL, GIT, Celery, Docker
Role	:	Python Web Developer

Responsibilities:

- Designed and implemented a unified **CRM platform** to streamline customer relationship management by aggregating data from multiple systems into a single interface.
- Developed **DataSourcingAPI** using **AWS Lambda** and **API Gateway** to enable serverless connections with CRM APIs, AWS S3, SharePoint, and other data sources.
- Collaborated with the data engineering team to migrate customer data into **Databricks** and ensure seamless data integration.
- Built **IDAM (Identity and Access Management)** using Django authentication for secure user authentication and authorization.
- Conducted internal test cases and performed peer reviews to ensure the quality and reliability of APIs and microservices.
- Engineered **TaggingAPI** with machine learning integration for feature extraction, tagging, and ranking of documents based on AI-generated confidence scores using Pandas.
- Designed **CoreAPI** with AWS Lambda and Flask for lightweight, time-sensitive search operations, meeting a **SLA of 50** seconds to ensure quick customer responses.
- Coordinated with **technical and functional teams** to implement models and monitor their results, ensuring optimal application performance.
- Applied **Object-Oriented Programming (OOP)** principles for modular, reusable, and maintainable code across multiple microservices.
- Monitored microservices using **AWS CloudWatch** for performance insights, proactive issue detection, and API optimization.
- Prepared transition documents for onboarding and knowledge transfer to other team members, fostering collaboration and continuity.
- Actively participated in weekly/daily status calls with senior members to provide updates and align on project goals.
- Integrated APIs to sort and filter search results for agents based on tag ranking and relevance, improving customer query resolution time.
- **Enhanced scalability and reliability** of the application by leveraging AWS services (Lambda, S3, API Gateway, CloudWatch) across multiple microservices.