

# ANUJ PANDEY

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## PROFESSIONAL EXPERIENCE

**Python Developer & AI Integration Specialist May 2024 - Present**  
**Xaigi Technology, India 1 Year**

### AI-POWERED BUSINESS INTELLIGENT ASSISTANT

#### Synopsis:

Developed a backend system powering an AI assistant that helps merchants query and interpret business data using natural language. The system handles both structured (SQL) and unstructured (PDF, CSV, Excel) data, integrating with platforms like QuickBooks, WooCommerce, and Authorize.Net for real-time insights.

#### Backend Development & AI Integration:

- Designed FastAPI-based microservices for natural language querying and document parsing.
- Implemented semantic-to-SQL conversion logic using LangChain and OpenAI models.
- Built APIs to ingest and process merchant data from e-commerce and accounting systems.
- Developed asynchronous job handlers for large document ingestion and analysis.

#### DevOps & Deployment:

- Containerized the application using Docker and deployed via AWS ECS.
- Integrated AWS Lambda for serverless tasks and used SQS for async processing.
- Set up centralized logging and monitoring for task tracking and error analysis.

#### Responsibilities and Key Achievements:

- Led backend integration with third-party platforms (WooCommerce, Authorize.Net).
- Ensured secure API communication with JWT-based authentication.
- Improved query performance and reduced response times for large datasets.
- Enabled multi-turn AI memory and RAG-based document search pipelines.

#### Technology Stack:

- Python, FastAPI, PostgreSQL, Docker, AWS ECS/Lambda/SQS, LangChain, OpenAI GPT, FAISS, WooCommerce API, Authorize.Net API, LLM (Large Language Models).

### REAL-TIME PAYMENT GATEWAY PLATFORM

#### Synopsis:

Built a secure and scalable backend system for a payment platform that synchronizes financial

transactions across services like QuickBooks, Shopify, and Authorize.Net. The system supports real-time payment tracking, automated reconciliation, and advanced dashboard visualizations for merchants and admins.

#### Backend Development:

- Developed RESTful APIs using Django and FastAPI to support multi-party transactions, payment syncing, and financial insights.
- Designed and implemented secure JWT-based authentication and role-based access control.
- Created dynamic dashboards (Admin, Merchant, Profile) delivering real-time metrics and reports.
- Optimized API pagination and query performance for large-scale transaction logs.

#### DevOps & Deployment:

- Deployed services to AWS ECS and implemented Docker-based containerization.
- Integrated AWS Lambda functions for async background jobs like reconciliation and notifications.
- Used AWS SQS to handle job queues for syncing high-frequency transactions.
- Set up production logging, error tracking, and system health monitors.

#### Responsibilities and Key Achievements:

- Spearheaded integration with third-party platforms (QuickBooks, Shopify, Authorize.Net).
- Led backend module development for secure payments, data validation, and webhook handling.
- Improved API response times and reliability across peak transaction periods.
- Resolved critical production issues including DB locking and async race conditions.

#### Technology Stack:

- Python, Django, FastAPI, PostgreSQL, Docker, AWS ECS/Lambda/SQS, QuickBooks API, Authorize.Net API, Shopify API, JWT Auth, LLM (Large Language Models)

#### **Software Developer      July 2020 to May 2024**

#### **R1 RCM Pvt. Ltd**

#### Roles & Responsibilities:

- Integrated and documented code changes.
- Involved in building APIs using DRF, Flask Restful and Python.
- I actively participated in code reviews This involved reviewing code changes made by team members.
- Developed code to complete assigned modules on time.
- Ensure data privacy and compliance with relevant regulations, such as HIPAA for healthcare projects.
- Handle user authentication, authorization, and session management.

- Used Python scripts to update the content in database and manipulate files with monitoring and finding the issues in the platform.

#### Additional Information

- Leadership potential with good analytical, problem-solving and critical thinking skills.
- A friendly personality with good inter-personal and organizational skills.
- Ability to prioritize and work under tight deadlines.
- Fast learner, able to master new concepts, theories, ideas, and processes with ease.
- Good with time-management and self-management skills.

#### Projects

##### **(Humana) Health Insurance**

###### Description

The goal of the HUMANA work space to manage all the details of Patients, Doctors, Tests, Treatment and Medicines. It also tracks the details about the patient, Doctors, Medicines.

Project Technologies: - Python, Django, MySQL, Pandas, AWS, Git, JSON, HTML

Roles and Responsibilities:

Employment Type: Full-Time

Team Size: 11

- Collaboration: Active participation in project and sprint meetings, fostering team communication.
- Scrum Involvement: Engaged in scrum meetings to address and resolve project issues promptly.
- Code Efficiency: Expertise in crafting efficient and reusable Python code, enhancing codebase scalability.
- API Development: Created and maintained Django Rest Framework APIs for seamless CRUD operations
- Web API Expert: Specialized in Python, Django, MySQL, DRF, and Rest API for robust solutions.
- SQL Proficiency: Efficiently wrote SQL queries for optimized data retrieval from the database.

##### **Project: - (SutterHealth) Health Insurance**

###### Description

I spearheaded the development of a critical module within the SutterHealth project, focusing on creating a robust API to enhance data accessibility and user interactions. Leveraging my expertise in Python, Django, MySQL, and Pandas, I contributed to the seamless integration of this module into the larger healthcare system.

**Employment Type:** Full-Time

**Team Size:** 13

- API Development: Engineered and implemented a comprehensive API using Django, providing a structured and secure interface for data exchange.
- User Authentication: Implemented JWT (JSON Web Token) authentication to ensure secure user login and access control, enhancing the overall system's security.
- Database Integration: Utilized MySQL to design and manage the database schema, optimizing data storage and retrieval processes.
- Data Processing: Employed Pandas for efficient data manipulation and analysis, streamlining information processing within the API.

### **Education**

Bachelor of computer application (B.C.A)

Punjab technical University (P.T.U)

Senior secondary education (PCM)

U.P Board Allahabad

Secondary education

U.P Board Allahabad

### **Interests and Hobbies**

Watching and surfing tech content.

Reading books.

### **Place:**

Home- A 428, New Ashok Nagar New Delhi (Pin code 110096) INDIA