

Manoj Hankare

Python Backend Developer

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Professional Summary

Python Backend Developer with 2 years of experience building cloud-based backend systems and data processing pipelines. Hands-on experience with Python, REST APIs, AWS S3, boto3, and event-driven workflows. Experienced in ETL-style processing, Apache Airflow orchestration, and reliable data handling with logging and retries. AWS and Azure certified, with experience across healthcare, invoicing, MFT, and AI-assisted platforms, focusing on scalable and cost-aware cloud solutions.

Technical Skills

- **Programming Languages:** Python, SQL, Java (basic)
- **Backend & Data Processing:** Flask, FastAPI, REST APIs, ETL-style workflows
- **Databases:** PostgreSQL (RDS-style usage), MySQL, SQLAlchemy ORM
- **AWS & Cloud:** AWS S3, boto3, CloudWatch (logs), IAM basics
- **Workflow & Orchestration:** Apache Airflow (DAGs, retries, scheduling)
- **DevOps & Tools:** Git, Docker, CI/CD, Linux

Professional Experience

Software Engineer

Jan 2024 – Present

Vkraft Software Services, Hyderabad

- Developed and maintained backend applications using Python and Flask/FastAPI for enterprise platforms.
- Designed and managed PostgreSQL database schemas using SQLAlchemy, ensuring data integrity and performance.
- Supported deployments on Linux-based cloud servers and resolved production issues.
- Took ownership of backend design and implementation in a small team environment.
- Contributed to R&D by evaluating new technologies and proposing backend design improvements.
- Worked with AWS services such as S3 using boto3 for storing, retrieving, and managing application data.
- Implemented structured logging and monitored backend services using CloudWatch logs.
- Supported cloud-based data processing workflows with retries, error handling, and cost-aware design considerations.

Software Engineer Intern

Jun 2022 – Mar 2023

Acute Learning, Mumbai

- Worked on development tasks involving Python, Java, and JavaScript as part of an internship program.
- Developed interactive e-book modules and automated content conversion workflows.
- Integrated APIs and managed MySQL databases for data retrieval and processing.
- Collaborated with mentors and cross-functional teams to deliver assigned features.

Key Projects

Managed File Transfer (MFT) System

Tech: Python, Apache Airflow, boto3, SFTP, AWS S3, REST APIs

- Designed and implemented data processing pipelines for scheduled and automated file transfers.
- Built Airflow DAGs to orchestrate SFTP ingestion and downstream data movement to AWS S3.
- Used boto3 to interact with S3 for storing, retrieving, and validating transferred files.
- Implemented retries, logging, and failure handling to ensure reliability of data workflows.

Enterprise AI Studio Platform

Tech: Python, Flask/FastAPI, PostgreSQL, AWS S3, CloudWatch Logs

- Developed backend services to support workflow-based, event-driven processing.
- Used AWS S3 to store audio/video recordings, transcripts, and session artifacts.
- Implemented structured logging and monitored application logs using CloudWatch.
- Contributed to backend design decisions and early-stage R&D in a small team setup.

EzyInvoice – Invoice Processing Platform

Tech: Python, Flask, PostgreSQL, Gemini API, AWS S3

- Built backend APIs for invoice ingestion and ETL-style processing.
- Integrated Gemini API to extract structured data from PDFs and images.
- Stored raw documents and processed outputs in AWS S3 for traceability.
- Deployed the application on Azure Linux VM using Gunicorn and Nginx.

Hospital Management System (HMS)

Tech: Python, Flask, PostgreSQL

- Developed backend APIs to support hospital operational workflows.
- Designed NABH-aligned data structures including audit trails and patient records.
- Supported production deployment and ongoing maintenance activities.

Certifications

- Microsoft Certified: Azure AI-900 (AI Fundamentals) 2025
- Microsoft Certified: Azure Developer Associate 2024
- AWS Certified Cloud Practitioner 2024
- Microsoft Certified: Azure Fundamentals 2024
- Capgemini Certification Program – Java Full Stack 2023

Education

M.Sc. Computer Science

Dr. Babasaheb Ambedkar Marathwada University

2019 – 2021

B.Sc. Computer Science

SBES College of Science

2016 – 2019