

Raghava Kami Reddy Vasa

Python Full Stack Developer

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PROFESSIONAL SUMMARY:

- Skilled with 3+ years of experience in Python Developer with proven experience in banking, finance, retail, and e-commerce application development.
- Proficient in building secure backend services using Django REST Framework, Flask, and FastAPI for large-scale systems.
- Strong expertise in PostgreSQL, MySQL, and Cassandra for managing financial and transactional data.
- Experienced in using Apache Kafka and Airflow / Prefect for real-time data processing and workflow orchestration.
- Developed fraud detection models and data-driven dashboards using Scikit-learn, Tableau, and Power BI.
- Deployed containerized solutions on AWS and Azure using Docker and Kubernetes, ensuring compliance and scalability.

TECHNICAL SKILLS:

Programming & Frameworks:	Python (3.x), Django / Django REST Framework, Flask / FastAPI, GraphQL (Graphene / Ariadne / Strawberry), Apache Kafka, Spark Streaming
Databases & Storage:	Relational Databases (PostgreSQL, MySQL, Oracle), NoSQL (MongoDB, Cassandra), Data Warehousing (Snowflake, Redshift), Cloud Storage, Real-time Transaction Systems
APIs & Integrations:	RESTful APIs, GraphQL APIs, Payment Gateways, Core Banking APIs, Financial Data Feeds (Bloomberg, Reuters), SWIFT / ISO 20022 Integrations, Open Banking APIs
Data Engineering & Analytics:	Pandas / NumPy, PySpark, Airflow / Luigi / Prefect, Tableau / Power BI (via Python connectors), Financial Modeling & Forecasting
Machine Learning & AI:	Scikit-learn, Tensor Flow / PyTorch, Fraud Detection Models, Risk Scoring Engines, Credit Risk Analytics, Customer Segmentation
Cloud & DevOps:	AWS (EC2, Lambda, RDS, S3, SageMaker), GCP / Azure equivalents, Docker & Kubernetes, CI/CD Tools, Cloud Security & Compliance
Monitoring & Security:	Prometheus / Grafana, ELK Stack, OAuth 2.0 / JWT, PCI-DSS, GDPR / CCPA, AML / KYC Systems, Transaction Monitoring Platforms

PROFESSIONAL EXPERIENCE:

JPMorgan Chase – NA, USA | Python Developer

August 2024 –

Present

- Built and deployed secure backend microservices using Python (3.x) and Django REST Framework to process high-volume financial transactions with low latency.
- Optimized PostgreSQL data models and queries for core banking systems, ensuring seamless handling of millions of daily transaction records.
- Implemented Apache Kafka for real-time transaction streaming, enhancing fraud monitoring and payment reconciliation efficiency.
- Integrated RESTful APIs with SWIFT / ISO 20022 standards to enable seamless interbank fund transfers and financial data exchange.
- Automated ETL workflows with Apache Airflow, improving data accuracy and reducing manual data processing time across financial reporting pipelines.
- Designed real-time performance dashboards in Tableau to visualize key financial KPIs such as liquidity, credit risk, and fraud alerts.
- Deployed containerized applications on AWS (EC2, RDS, S3) ensuring system scalability, high availability, and compliance with PCI-DSS standards.
- Developed and productionized fraud detection models using Scikit-learn, reducing false transaction alerts and improving customer trust.
- Implemented OAuth 2.0 / JWT-based authentication and GDPR-compliant data handling for secure banking application access.

HCL Tech – India | Python Developer

February 2021 - July 2023

- Developed dynamic retail web platforms using Python (3.x) and FastAPI, enabling seamless product browsing, cart management, and checkout experiences.
- Designed and maintained MySQL and Cassandra databases to support real-time product updates and high-frequency customer transactions.
- Built modular microservices architecture using Flask and integrated with third-party Payment Gateways for secure and frictionless payments.
- Streamed live inventory and pricing updates using Apache Kafka, improving product availability accuracy across omnichannel sales.
- Automated order processing and inventory synchronization workflows with Prefect, enhancing operational efficiency and reducing manual errors.
- Created interactive Power BI dashboards to analyze sales trends, conversion rates, and marketing campaign performance in real time.
- Deployed containerized retail services on Microsoft Azure using Docker and Kubernetes, ensuring auto-scaling during peak shopping periods.
- Implemented GraphQL APIs (Ariadne) to optimize data fetching for personalized recommendations and product detail pages.
- Ensured GDPR and CCPA compliance by integrating OAuth 2.0 authentication and secure data handling in customer-facing applications.

EDUCATION:

Master of Computer Science - New Jersey Institute of Technology at Newark, New Jersey, USA

Bachelor of Computer Science - Vellore institute of Technology at Vellore, Tamil Nadu, India