VAMSHI POLISHETTI

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2+ Years Experience | **150+** JIRA Issues Resolved | **3+** Major Projects Delivered | **95%** Client Satisfaction

Summary

Software Engineer with 2+ years of experience in backend development using the **Python Stack (FastAPI, Flask)**. Expert in architecting scalable RESTful APIs, optimizing high-traffic database performance via **Connection Pooling**, and deploying robust cloud infrastructure on **AWS**. Specialized in asynchronous logging, secure configuration management, and messaging systems like **RabbitMQ**.

Technical Skills

- **Python Stack:** FastAPI, Flask, Django (Intermediate), SQLAlchemy ORM, Pydantic, Connection Pooling, Async Logging.
- **Database & Search:** PostgreSQL, SQL Server, Elasticsearch, SQL Optimization, Stored Procedures.
- **Messaging & Security:** RabbitMQ, JWT, API-Key Auth, Secure Configuration (.env), Secrets Manager.

- **Cloud & DevOps:** AWS (EC2, S3, EventBridge, Lambda, RDS, CloudWatch), Docker (Basic), Git, GitHub.
- **Languages:** Python (Primary), SQL (Advanced), Java (Intermediate), JavaScript (Intermediate), HTML5/CSS3 (Intermediate).
- **Tools:** Postman, Swagger/OpenAPI, SSMS, DBeaver, VS Code, PyCharm, JIRA (Agile/Scrum).

Experience

CStoreiQ — Feb 2024 – Present
Junior Software Engineer — *Hyderabad, India*

- Developed and maintained scalable backend services using **Python, FastAPI, and Flask**, supporting high-performance production applications in an Agile environment.
- Successfully delivered **three major API projects** for the CStoreiQ back-office platform and live data integrations.
- Designed and managed **SQLAlchemy ORM models** with SQL Server and PostgreSQL, implementing **Database Connection Pooling** to optimize utilization in high-traffic environments.
- Implemented secure authentication using **JWT and API-Key** based access control with **.env Configuration Management** for secure cross-stage deployment.
- Resolved **150+ JIRA issues**, covering critical bugs, performance optimizations, and feature enhancements.
- Developed and optimized complex **SQL Stored Procedures**, significantly improving API response times.
- Implemented asynchronous workflows using **RabbitMQ** and built **Async Logging Systems** for non-blocking application monitoring and improved debugging.
- Integrated **Elasticsearch** for advanced search and monitoring; managed cloud infrastructure via **AWS (EC2, S3, Lambda, RDS)** using CloudWatch and Secrets Manager.

Projects

Fully Automated Data Synchronization Service | *Python, FastAPI, AWS* — Oct 2025 – Nov 2025

- Built a zero-touch automation service using **FastAPI** and **Boto3** to synchronize data between AWS S3 and external APIs with **97% success rate**.
- Implemented automated recovery mechanisms and **async logging** for real-time monitoring and fault handling.

SQL Server to PostgreSQL Data Migration | *Python, SQL Server, PostgreSQL* — Jun 2025 – Jul 2025

- Developed a high-performance **asynchronous data migration pipeline** to transfer data from SQL Server to PostgreSQL via structured JSON.
- Eliminated manual intervention using **table-driven API-based migrations** with secure **.env configuration** and async logging.

COVID-19 Detection via Chest X-Rays | *Python, ResNet-50, Pandas, Numpy, Streamlit* — 2022

- Built a deep learning–based web application achieving **95% accuracy** with inference time under 5 seconds.

Education

Telangana University — Sept 2022
Master of Computer Applications (MCA) | ***GPA: 8.87 / 10.0*** — *Nizamabad, India*

Certifications & Best Practices

HackerRank: SQL (Advanced), Rest API (Intermediate), Python Certification.
Cloud & Other: AWS for Beginners (Great Learning), Java Development Internship (Code Clause).
Best Practices: Scalable Architecture, Secure Configuration Management, Performance Optimization, Application Monitoring, Advanced Debugging & Root Cause Analysis.