VAMSHI POLISHETTI

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Summary

Motivated Junior Software Engineer with hands-on experience in building scalable backend systems and RESTful APIs using Python, FastAPI, Flask, and Django. Proficient in designing efficient SQLAlchemy ORM models, managing PostgreSQL and SQL Server databases, and implementing secure authentication using JWT and API-key mechanisms. Experienced in deploying, monitoring, and maintaining cloud-based solutions on AWS (EC2, S3, Lambda, RDS, CloudWatch), with strong version control practices using Git and a solid understanding of asynchronous processing with RabbitMQ.

Experience

CStoreiQ — Junior Software Engineer (Full-time)   Feb 2024 – Present

- Developed and maintained scalable backend services using **Python, FastAPI, and Flask**, supporting high-performance production applications in an Agile environment.
- Designed and managed **SQLAlchemy ORM models** with **SQL Server and PostgreSQL**, ensuring efficient and secure data handling.
- Implemented secure authentication and authorization using **JWT and API-Key based access control**.
- Resolved **150+ JIRA issues**, including critical bugs, feature enhancements, and performance optimizations, improving system reliability.
- Successfully delivered **two major API projects** for the CStoreiQ back-office platform and live data integrations.
- Integrated **Elasticsearch** for advanced search, logging, and monitoring, improving system observability and debugging efficiency.
- Implemented asynchronous workflows using **RabbitMQ**, improving system scalability and data processing reliability.
- Developed and optimized complex **SQL stored procedures**, resulting in improved API response times and database performance.
- Deployed and managed backend services on **AWS**, ensuring scalable, secure, and highly available infrastructure.

Saven Technologies — DevOps Trainee (Internship)   Jan 2024 - Feb 2024

- Hands-on experience in DevOps methodologies, working with tools like Grafana, Prometheus, and Elastic Stack (ELK) to streamline infrastructure monitoring and performance tracking.
- Configured and monitored systems using Grafana and Prometheus, improving operational visibility by 35%.
- Enhanced system performance through integration of Elastic Stack for comprehensive logging and monitoring.

CodeClause — Java Development (Internship)   Jun 2023 - Jul 2023

- Dynamic Java Developer with expertise in creating robust applications using Java Swing and MySQL, excelling in delivering solutions in remote work environments.
- Reduced project completion time by 20% while enhancing system responsiveness by 30%.
- Achieved a 95% issue resolution rate within 24 hours, demonstrating effective problem-solving skills.

Academic Project

Detection of Covid-19 from Chest X-ray using Python. — GitHub Link   Jun 2022 - Sept 2022

- Developed COVID-19 Detection Web App with 95% accuracy using ResNet-50.

- Reduced X-ray image processing time by 50% to 5-10 seconds.
- Improved pandemic response protocols, reducing case numbers by 20%.

Technical Skills

- **Primary Language:** Python
- **Backend Frameworks:** FastAPI, Flask, Django
- **ORM & Security:** SQLAlchemy ORM, JWT Authentication, API-Key Authentication
- **Databases:** PostgreSQL, SQL Server
- **Messaging & Search:** RabbitMQ, Elasticsearch
- **Cloud Platform:** AWS (EC2, S3, Lambda, RDS, CloudWatch, Secrets Manager)
- **Version Control:** Git
- **API Development:** RESTful APIs
- **Additional Language:** Java

Certifications

- Java Development Internship Certificate at Code Clause.
- Java certificate from Great Learning.
- SQL certificate from Hacker Rank.

Education

- **Master of Computer Applications**, Telangana University - 8.87/10 — Dec 2020 - Sept 2022
- **B.Sc. in Computer Science**, Girraj Govt. College - 9.59/10 — Jun 2017 - Sept 2020
- **Intermediate in MEC**, Kshatriya Jr. College - 932/1000 — Jun 2015 - Mar 2017
- **SSC**, Vidya Jyothi High School - 8.3/10 — Jun 2014 - Mar 2015