Vraj Shah

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Professional Summary

Detail-oriented Software Developer with experience in Python, SQL, and mobile application development. Specializing in creating efficient data systems, process automation, and developing software solutions to support business activities. Strong foundation in database management, mobile application development, and cloud technologies. Currently pursuing a Master of Applied Computer Science with a focus on data management and cloud computing. Seeking to leverage programming and analytical skills to contribute to the Department of Public Works' capital program.

Skills

Programming Languages: Python, Java, C++, Kotlin, Swift, JavaScript, SQL

Mobile Development: Experience with app development and integrating mobile data collection tools, familiarity with Android and iOS app development

Software Development & Tools: FastAPI, Flask, Azure, Databricks, SQL (PostgreSQL, MySQL), Excel, Microsoft Office Suite (Word, Outlook, Excel)

Data Engineering: ETL pipeline design, query optimization, data integration

Database Management: Database design, indexing strategies, data warehousing

Project Management & Collaboration: Experience working in teams, strong organizational skills, multi-tasking, and meeting deadlines

Communication & Documentation: Strong written and verbal communication skills, documenting work processes, and collaborating with stakeholders

Soft skills: Problem solving, Strong business and personal communication, Analytical thinking, Excellent organizational skills, Self-starter, Teamwork, Adaptability, Attention to detail, Critical thinking, Time management, Quick learner

Work Experience

Simform Solutions   **Dec 2021 - Nov 2023**
Software Engineer   *Ahmedabad, India*

- Designed and developed software tools to streamline data collection and integration, enhancing business operations and planning activities.
- Created and tested mobile data collection applications that improved field data capture and reporting accuracy.
- Engineered efficient ETL pipelines that increased processing speed by 40%, ensuring high-quality data for decision-making.
- Collaborated with teams to develop custom business tools using Excel and Python, automating processes and increasing productivity.
- Migrated legacy systems to cloud platforms (Azure), improving system scalability and resource management for data collection.
- Developed and integrated dynamic Excel spreadsheets to track and manage diverse datasets, improving team productivity and data accessibility.
- Assisted in identifying and troubleshooting software issues, enhancing overall application reliability and reducing error rates by 30%.
- Supported the deployment of mobile applications and conducted extensive testing, ensuring seamless integration with cloud services and reducing bugs by 25%.

Education

Dalhousie University   **Jan 2024 - Sep 2025**
Master of Applied Computer Science (Co-op Candidate) | *GPA: 4.07/4.3*   *Halifax, Canada*

Relevant coursework: Database Management & Warehousing, Cloud Computing, Cloud Architecting

Charusat University   **Jun 2018 - Apr 2022**
Bachelor of Computer Engineering | *GPA: 8.7/10*   *Gujarat, India*

Projects

Cloud-Based ETL & Data Processing   **FastAPI | SQL | Azure**

- **Designed and implemented an ETL pipeline** to process large-scale financial transaction data, **ensuring efficiency and reliability in data movement** across cloud platforms.
- **Optimized SQL queries and indexing strategies**, reducing query execution time by 25% and enhancing performance for real-time analytics and reporting dashboards.
- **Deployed the solution on Azure**, leveraging Databricks for scalable data transformations, ensuring seamless data integration for business intelligence workflows.

Projects Investment Data Automation   **Python | SQL | Azure**

- **Automated financial data aggregation and reporting**, cutting down manual data processing time by 60% and improving overall data accuracy.
- **Integrated Azure Cloud services to enable real-time data processing**, ensuring optimal resource allocation and cost-efficient operations.
- **Developed interactive Power BI dashboards**, providing real-time insights into financial trends and investment performance, enhancing data-driven decision-making.