

OBJECTIVE

Azure Data Engineer with experience in designing, developing, and maintaining scalable data solutions using Azure cloud services and Python programming. Focused on building optimized data pipelines, implementing real-time data streaming, and supporting data-driven decision-making. Experienced in integrating cloud-based solutions, automating workflows, and ensuring data security and governance. Seeking a role to apply knowledge in cloud platforms, big data processing, and modern data engineering practices to solve business challenges and support organizational growth.

PROFESSIONAL SUMMARY

- Demonstrated proficiency in designing and orchestrating complex data workflows and ETL processes using Azure Data Factory pipelines.
- Integrating diverse data sources, including on-premises and cloud-based systems, ensuring seamless data movement and transformation.
- Experience in leveraging Azure Databricks for large-scale data processing and analytics, optimizing performance and cost efficiency.
- Building, tuning, and optimizing Apache Spark clusters within Azure Databricks for high-performance data transformation and analysis.
- Developing serverless workflows and event-driven architectures using Azure Functions and Logic Apps, enhancing automation and scalability.
- Automating business processes, integrating disparate systems with Azure services, and improving operational efficiency.
- Experienced in architecting scalable data lake solutions using Azure Data Lake Storage Gen2, supporting structured and unstructured data analytics.
- Defining access controls, implementing data governance policies, and optimizing data lake performance for compliance and security.
- Understanding of security best practices and data protection mechanisms utilizing Azure Key Vault, ensuring secure management of sensitive information.
- Experienced in managing encryption keys, certificates, and secrets, maintaining data confidentiality and compliance.
- Designing scalable and cost-effective storage solutions using Azure Blob Storage for archival, backup, and analytics.

- Python programming, applying OOP principles and best coding practices to build efficient data solutions.
 - Hands-on experience in leveraging Azure Blob Storage for various storage scenarios, enabling seamless integration with analytical workloads.
 - Familiarity with Python frameworks like FastAPI and Flask for API development.
 - Analytical and problem-solving skills, adept at deriving insights from large and complex datasets.
 - Proficient in Agile methodologies, emphasizing iterative development, adaptive planning, and continuous delivery of high-quality data solutions.
 - Experience in CI/CD pipeline automation using GitHub Actions, Azure DevOps, ensuring efficient data pipeline deployment and monitoring.
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EXPERIENCE

- Currently, working as a Data Engineer at Sterlite technologies from October 2022 to till date.
 - Previously worked as an Analyst at Artech Infosystems Pvt Ltd from May 2022 to October 2022.
 - Worked as Consultant (Python) at Protiviti Private Limited from March 2021 to May 2022.
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TECHNICAL SKILLS:

- Programming Languages: Python, SQL, PySpark, Scala
- Big Data & ETL Frameworks: Apache Spark, Delta Lake, ETL Pipelines, Data Warehousing, Data Migration
- Cloud Platforms & Services: Microsoft Azure (Azure Databricks, Azure Data Factory, Azure Synapse Analytics, Azure Data Lake Storage Gen2, Azure Key Vault, Azure Functions, Azure Event Hubs, Azure Cosmos DB)
- Data Integration & Streaming: Apache Kafka, Azure Event Hubs, Azure Logic Apps
- Databases & Storage: SQL Server, PostgreSQL, MySQL, NoSQL (MongoDB, Cassandra), Snowflake, Azure Blob Storage
- API Development & Automation: RESTful APIs, FastAPI, Flask, Django, CI/CD (GitHub Actions, Azure DevOps, Jenkins)
- DevOps & Version Control: Git, Azure Repos, Bitbucket, Terraform (Infrastructure as Code)
- Development Methodologies: Agile, Scrum, DataOps

- Monitoring & Logging: Azure Monitor, Log Analytics, Application Insights
 - Data Governance & Security: RBAC, Unity Catalog, Azure Purview
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PROFESSIONAL EXPERIENCE

DATA ENGINEER | STERLITE TECHNOLOGIES

Client: DHL (October 2022 – Present)

KEY RESPONSIBILITIES

- Designed and maintained end-to-end ETL pipelines using Azure Data Factory and Azure Databricks to process and transform large datasets efficiently.
 - Developed real-time data ingestion using Apache Kafka and Azure Event Hubs, ensuring seamless data streaming and low-latency processing.
 - Implemented data lake solutions using Azure Data Lake Storage Gen2, optimizing storage for structured and unstructured data.
 - Performed SQL performance tuning in Azure Synapse Analytics and SQL Server, improving query efficiency and reducing execution time.
 - Created incremental data processing strategies using Delta Lake to ensure data consistency and optimize storage.
 - Developed serverless functions using Azure Functions for event-driven automation and data processing tasks.
 - Integrated Azure Key Vault for secure storage and management of sensitive information, ensuring compliance and security.
 - Automated data pipeline deployments using CI/CD pipelines with GitHub Actions and Azure DevOps, improving operational efficiency.
 - Designed monitoring and alerting mechanisms using Azure Monitor and Log Analytics, enhancing pipeline reliability and proactive issue resolution.
 - Collaborated with cross-functional teams, including data scientists and analysts, to ensure data availability and optimize data workflows.
 - Participated in Agile development processes, attending daily stand-ups, sprint planning, and retrospectives to align with business objectives.
 - Provided technical mentorship and knowledge sharing sessions to junior engineers, improving team competency and efficiency.
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ANALYST | ARTECH INFOSYSTEMS PVT LTD

Client: Prudential Financial (May 2022 – October 2022)

KEY RESPONSIBILITIES:

- Developed Azure Data Factory (ADF) pipelines, Linked Services, and Datasets to facilitate data movement and transformation, including migrating on-premises data to the Azure cloud platform.
 - Assisted in integrating Azure Databricks Notebooks with ADF for advanced data processing during the migration process.
 - Utilized Azure Key Vaults to securely store and manage sensitive information related to the migration effort.
 - Created diverse ADF pipelines tailored to address the specific requirements of the data migration project.
 - Configured Azure cloud services, including Data Lake Storage and Azure SQL Database, optimizing them for efficient data migration and storage.
 - Implemented email notification features using Azure Logic Apps for real-time monitoring of data migration progress.
 - Attended daily stand-up calls, sprint planning, and grooming meetings to ensure alignment with data migration project goals and Agile methodologies.
 - Collaborated closely with senior team members to understand the intricacies of the data migration process and implement effective solutions.
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CONSULTANT (PYTHON) | PROTIVITI PRIVATE LIMITED

Client: ASOS (March 2021 – May 2022)

KEY RESPONSIBILITIES:

- Collaborate with cross-functional teams to gather requirements and translate them into technical specifications for web development projects.
 - Design, develop, and maintain scalable RESTful APIs using Python-based frameworks such as Django.
 - Implement back-end logic and data models to support the functionality of web applications.
 - Optimize API performance by identifying and resolving bottlenecks, implementing caching mechanisms, and fine-tuning database queries.
 - Write clean, efficient, and maintainable code while adhering to coding standards and best practices.
 - Conduct thorough testing and debugging of APIs to ensure high reliability and stability.
 - Stay updated on emerging technologies and industry trends in web development, actively contributing ideas for improving development processes and methodologies.
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EDUCATION

BACHELOR OF COMMERCE

Vijayanagara Sri Krishnadevaraya University (2014 - 2017)