Shreyash Shetty

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Certification

AWS Certified Data Engineer – Associate   **Jan 2024**

Technical Skills

Languages and Databases: Python, C#, NoSQL databases (MongoDB, Cassandra), and traditional SQL databases
Big Data Tools: Hadoop, Spark, Kafka, Presto
Cloud Platforms: AWS (Lambda, ECS, ECR, API Gateway, Kinesis, Redshift, DynamoDB), BigQuery
Data Pipeline Tools: Airflow, Luigi, Storm, Spark-Streaming, Snaplogic, Prefect
Other Tools: Tableau, PowerBI, TIBCO Spotfire, Excel, VSCode, PyCharm, Snowflake

Professional Experience

Kraft Analytics Group   *July 2021 – Present*
Software Development Engineer 2

- Designed and implemented a scalable data ingestion framework using Python, AWS, and Snowflake, enhancing data management of both structured and unstructured data from diverse APIs (Web, RESTful, GraphQL, SOAP, Cloud, Database).
- Integrated AWS services (Lambda, ECS, ECR, Kinesis, S3) to streamline data processing and storage operations, achieving a 20% increase in data throughput.
- Developed and deployed high-performance inbound and outbound data pipelines, optimizing for scalability, reliability, and performance, significantly reducing operational bottlenecks.
- Created robust integrations with third-party systems, managing full lifecycle from design through to testing and release, improving system interoperability and functionality.

Software Development Engineer 1

- Automated AWS S3 deployment processes via CircleCI, boosting deployment efficiency and consistency in software delivery.
- Led design sessions and code reviews, ensuring solutions met functional requirements and adhered to optimal execution patterns and standards, while mentoring junior data engineers.
- Revamped security protocols and implemented CI/CD and telemetry tools within the SDLC, aligning existing applications with updated security standards and requirements.
- Designed and developed Python services hosted in AWS Lambda, focused on robust, scalable solutions for data acquisition.

Data Engineer 2

- Implemented role-based access control (RBAC) in Snowflake, enhancing data security, confidentiality, and access management across organizational data stores.
- Architected and enforced stringent data protection controls, defining roles, privileges, and access for database objects to ensure compliance and robust data security.
- Efficiently managed Snowflake schemas, tables, views, and stored procedures, crucial in supporting business intelligence and analytics initiatives.
- Developed new ETL processes, enhancing system efficiency and reducing operational costs, while improving data landing times and service level agreements (SLAs).

Tesla Inc.   *May 2020 – Dec 2020*
Data Engineer

- Developed robust data integrations utilizing Python, SQL, Airflow, and Presto, enhancing pipeline reliability and efficiency.
- Implemented stream-processing solutions with technologies like Storm, improving real-time data handling capabilities.
- Conducted comprehensive data analysis using Tableau, driving actionable insights and business strategies.
- Collaborated closely with leadership to align data analysis and reporting solutions with business needs.

Tata Consultancy Services   *Oct 2016 – June 2018*
Data Analyst

- Developed a client-facing web application for electric vehicle company, showcasing proficiency in HTML, CSS, and C#.
- Automated complex reporting processes in TIBCO Spotfire for Oil and Gas company, enhancing operational efficiency by 60%.

Education

University of South Florida - Master of Science in Business Analytics and Information Systems   **May 2021**
SIES Graduate School of Technology – Bachelor of Engineering in Computer Science   **May 2016**