Jonathan C. Lay

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Portfolio: layonyou.github.io/portfolio

Education

Bachelor of Science in Computer Science   December 2017
University of North Texas   GPA: 3.547 / 4.0

Certifications

AWS Certified Cloud Practitioner | Snowflake Associate Architect
- Issued August 2018 – Expires Aug 2021 | - Issued Sept 2018

Work Experience

Solomon Page - Cigna/Evernorth   July 2020 – Present
Software Engineer
- Architect and implement a solution for data governance, access, and protection with various tools.
- Reworked Looker dashboards, models, and views to reference a new reporting layer in Hadoop to have more consistent and granular data for visualization.
- Built a REST endpoint in Python to ingest and map configuration management information to production metadata for data sensitivity and enterprise applications. Identifying 200-300% more app-to-db relationships.
- Assisted in development, deployment, and maintenance of an application that ingests metadata from the enterprise's databases and classifies the ingested data based on their sensitivity for data risk and cyber security.

Wipro Limited - Capital One   June 2018 – July 2020
Data Engineer   August 2018 – December 2018
- Refactored an existing Python 2 ETL framework to Python 3 that schedules moving data from potentially multiple sources into one table for data analysis.
- Consolidated, refactored, and coded utilities from Python 2 to Python 3 for a single package to be used for multiple Python frameworks.
- Led the design and implementation of a CI/CD API pipeline in Java and Spring Boot to streamline new or existing code deployments to production.
- Coded a Java-Spark application to mock and mask production data to be exported to lower-tiered environments for testing.

Data Analyst   December 2018 – July 2020
- Automated manual tasks performed by associates on an in-house application with Automation Anywhere by creating task scripts to mimic human actions which resulted in 30% less tasks for associates.
- Analyzed data to determine the correct KPI aggregations for metric generation to be used for business reports or Tableau dashboards.
- Collaborated with business analysts to derive and validate metrics that would be sent in reports or visualized on Tableau dashboards.
- Coded metrics in SQL to load type 2 data into Snowflake at scheduled times for analytical and visualization purposes.

Skills

Programming/Scripting/Query Languages | Applications/Tools/Frameworks
- Python | - Kubernetes
- SQL | - Spark
- C/C++ | - Kafka
- Java | - Pandas
- Bash | - Flask

Big Data/Cloud Technologies | - Docker
- AWS | - Jenkins
- OpenShift | - Spring Boot
- Hadoop | - Git
- Snowflake | - ServiceNow
- GCP | - Automation Anywhere