

Jonathan C. Lay

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Portfolio: layonyou.github.io/portfolio.index.html

Skills

Programming/Scripting/Query Languages

- C/C++
- Java
- Python
- Bash
- SQL

Source Control

- GitHub/Git
- TortoiseSVN

Big Data/Cloud

- AWS
- Snowflake
- GCP
- Hadoop

Game Development

- Vulkan
- OpenGL/WebGL
- Unreal Engine 4
- Box2D
- DirectX

Other

- Spring Boot
- CI/CD
- Agile
- Jira
- Unix/Linux environment
- Automation Anywhere
- Pandas

Experience

- Automate manual tasks performed by associates in an in-house application with Automation Anywhere.
- Collaborate with business users to design intuitive Tableau dashboards reporting valuable KPIs.
- Produce production-grade SQL which loads KPI data into Snowflake tables for analytical purposes.
- Refactor an existing Python 2 ETL framework to Python 3 that schedules moving data from potentially multiple sources into one table for data analysis
- Consolidate, refactor, and code utilities from Python 2 to Python 3 for a single package to be used for multiple Python frameworks.
- Lead the design and implementation of a CI/CD API pipeline in Java and Spring Boot to streamline new or existing code deployment to production.
- Code a Java-based framework to mock production data to be exported to development environments for testing.

Certifications

AWS Certified Cloud Practitioner

- Amazon Web Services (AWS)
- Issued August 2018 – Expires Aug 2021

Snowflake Associate Architect

- Snowflake
- Issued Sept 2018

Employment

Wipro Limited (June 2018 – Present)

- Capital One (August 2018 – Present)
 - Data Engineer & Data Analyst
 - Data migration to the Cloud
 - CI/CD API pipeline for streamlining jobs to production
 - Data analysis for KPI metric generation and business reports
 - Automation of manual tasks

Education

Computer Science B.S.

- University of North Texas in Fall 2017
- GPA: 3.547 / 4.0