

# Jonathan C. Lay

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Portfolio: [layonyou.github.io/portfolio/index.html](https://layonyou.github.io/portfolio/index.html)

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## Skills

### Programming/Scripting Languages

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

### 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

## Experience

- Analyze Business Analysts SQL to generate a SQL to load in data for a new metric table in Snowflake
- Acquire approval from multiple teams and capture its metadata before deploying the table to production
- Refactor and redesign an existing Python 2 framework to Python 3 that handles data graduation by moving data from potentially multiple sources into one table for Data Analysts to consume
- Consolidate, refactor, and code utilities in Python 2 to Python 3 in to one repository which can be treated as a package with common utilities for Python frameworks that is managed in one repository
- Design and code a CI/CD pipeline in Java and Spring Boot to help changes for new or existing code to be reviewed for any errors and to reach production faster
- Design and code a Java-Spark and Spring Boot framework with Angular for the front-end to mock data sets in the production environment
- Design and build a 3D game Unreal Engine 4 and C++
- Design and build a 2D game with DirectX 8 and C++

## 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)

- Data Engineer/Data Analyst
  - Worked with one of the biggest banking companies with Big Data
    - Projects include data migration, a CI/CD pipeline, data analysis, and metric generation

## Education

### Computer Science B.S.

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