

# Demetrius Griffin

<https://www.linkedin.com/in/demetrius-griffin/> | [demetrius.griffin.work@gmail.com](mailto:demetrius.griffin.work@gmail.com) | <https://github.com/demeritusg>

## PROFESSIONAL SUMMARY

Entrepreneurial and results-driven professional with 14 years of experience in project management, data analytics, and information security. Equipped with a degree in Architectural Technology and specialized training in Information Security, I bring a multidisciplinary perspective to managing complex data environments. Proficient in Python and SQL, I have a proven history of designing and implementing scalable full stack environments, optimizing ETL architectures, and ensuring data accuracy for actionable insights. As an entrepreneur and accomplished leader, I excel at building and mentoring high-performing teams, collaborating with cross-functional stakeholders, and delivering innovative data solutions that align with organizational goals. Adept at fostering a culture of continuous improvement and driving strategic initiatives, I thrive in dynamic, fast-paced environments, supporting business growth and innovation.

## TECHNICAL PROFICIENCIES

Tools: AWS, GitHub, GitLab, Redshift, Postgres, Airflow, Snowflake, Docker, Databricks, Excel, Terraform, Jira, Visio, Confluence, AutoCAD, MS 365, SQL Server, DynamoDB  
Programming Languages: Python, PySpark, SQL  
Special Training: Databricks, Snowflake, Prompt Engineering

## PROFESSIONAL EXPERIENCE

**Freelance** (Jan 2024 – Current) Remote

### DataOps Engineer

Daily responsibilities include presenting work to customers and stakeholders, building relationships with potential clients, and driving product development. Focused on enhancing technical expertise to answer questions, deliver impactful solutions, and achieve foundational goals while growing a SaaS business and fostering long-term customer trust and satisfaction.

#### Key Achievements:

- Building scalable software solving a market need, delivered via subscription, prioritizing innovation and users.
- Consulted on AWS architecture including Redshift data warehouses, RDS instances, DynamoDB tables, and NoSQL scripts.
- Set up CI/CD pipelines using GitHub Actions and GitLab Runners.
- Designed complex ETL architectures for a medium sized organizations using Airflow, Python and SQL.

**Frontline Education** (Oct 2023 – Dec 2023) Remote (Contract, Insight Global)

### Airflow Architect

Provided technical guidance on how to streamline the current Airflow environment (improve workflows, implement industry best practices, improve DAG performance) on an AWS platform, put in place version control infrastructure, and implement DevOps workflows.

#### Key Achievements:

- Consulted on how to improve Airflow legacy DAG performance by investigating logs and based on best practices.
- Reviewed AWS EC2 instances to provide guidance on optimization and best practices.
- Trained software engineers how set up version control repositories and create project structure best practices.
- Set up CI/CD pipelines using GitHub Actions and CodeFresh.

**Boeing** (Jan 2023 – Mar 2023) Remote (Contract, Insight Global)

### Senior Data Engineer

Partnered with a team of data engineers to design, deploy, and monitor Apache Airflow DAGs in an AWS environment. Migrated existing ETL architecture from legacy workflows into new Apache Airflow workflows using industry standard best practice. Designed Docker images to create new Airflow images to meet business needs.

#### Key Achievements:

- Designed new Apache Airflow DAGs and workflow management.
- Migrated existing Groovy scripts to Python and PySpark.
- Created Docker images for custom Apache Airflow images.

...Continued...

- Migrated legacy Apache NiFi workflows over to Apache Airflow workflows into a new AWS environment.

**Capital Group** (Jun 2022 – Oct 2022) Remote (Contract, Insight Global)

### **Senior Data Engineer**

Teamed up with a team of engineers to design, deploy, and monitor Apache Airflow DAGs using AWS CodeBuild. Also developed Data Dog alerts to monitor Apache Airflow DAG performance. Configured AWS Cloud Watch events to monitor AWS resources (EMR, EKS) to also help troubleshoot Apache Airflow DAG performance.

#### **Key Achievements:**

- Designed Apache Airflow DAG config files for AWS CodeBuild deployment.
- Configured Data Dog alerts to monitor Apache Airflow DAG performance.
- Contributed to CI/CD deployments using AWS CodeBuild.
- Designed new Docker images to meet custom Apache Airflow instance needs.

**Disney** (Dec 2021 – May 2022) Remote (Contract, Apex Systems)

### **Senior Data Engineer**

Collaborated with a team of engineers to create, test, and validate Snowflake SQL queries while developing a new Apache Airflow environment and associated DAGs. Participated in the design of a new Airflow environment by writing Python code, managing the workflows of PySpark code, and creating the Docker images. Contributed to CI/CD workflow using GitLab.

#### **Key Achievements:**

- Collaborated with other engineers in Snowflake data warehouse redesign (Data Modeling and Table Design).
- Participated in the development of ETL architecture using Apache Airflow for data warehouse migration.
- Lead the development of custom ELT applications using Apache PySpark.
- Designed new Docker images to meet custom Apache Airflow instance needs.
- Collaborated with team members to automate application releases with GitLab Runners

**Nike** (Mar 2021 – Nov 2021) Remote (Contract, Randstad Technologies)

### **Senior Data Engineer**

Collaborated with stakeholders to enhance reporting capabilities by developing new data stores and optimizing existing databases. Designed and implemented ETL architecture using Apache Airflow and PySpark, while integrating robust data governance strategies. Additionally, ensured data quality through comprehensive unit testing and data validation processes, maintaining integrity and accuracy across all stages of the pipeline.

#### **Key Achievements:**

- Collaborated with other data engineers in a Snowflake data warehouse redesign (Data Modeling and Table Design).
- Participated in the development of ETL architecture using Apache Airflow for data warehouse migration into Redshift.
- Lead the development of ETL architecture using EMR, PySpark, and Spark-SQL.
- Collaborated with cross-functional teams on data governance strategies.

**BP (British Petroleum)** (Nov 2020 – Feb 2021) Remote (Contract, Apex Systems)

### **Senior Data Engineer**

Worked with business analysts, project managers, and other data engineers to design a native AWS data lake platform that was to replace legacy platform. Collaborated with cross-functional teams to define and document system requirements of the new platform to not only match the old platform but also upgrade it to meet current business needs. Developed ETL architecture using Python and PySpark.

#### **Key Achievements:**

- Assisted in the design and implementation of a new AWS data platform.
- Utilized AWS Glue and Apache Airflow to run PySpark code alongside ETL architecture.
- Collaborated with a team of engineers to redesign the existing AWS Redshift data warehouse.
- Participated in Agile by leading scrum meetings, authored user-stories, planned sprints.

**Royalty Clearinghouse** (Oct 2019 – Aug 2020) Austin, TX

### **Director of IT**

As the Director of IT, I managed complex IT projects, including enhancing existing web applications and resolving issues with custom software. I managed relationships with vendors to implement IT initiatives that aligned with business objectives and supported organizational goals. To support general IT needs, I redesigned the MS SQL Server DW to meet data modeling best practices using star and snowflake schemas. I incorporated unit testing, data validation, and used the

Python library Great Expectations to ensure data integrity across all projects. Additionally, I provided daily and weekly reports to senior leadership that highlighted key metrics and performance across the business.

**Key Achievements:**

- MS SQL Server data warehouse redesign (data modeling, automating backups and maintenance scheduling).
- Enhanced data systems to streamline financial reporting for stakeholders including executives and accountants.
- Coded ETL architecture in Python using libraries like Pandas and Great Expectations to improve data accuracy.
- Planned IT initiatives to improve vendor relations and business user technological performance.
- Reversed engineered, redesign, and improvement of existing Flask web application and APIs.

**Amazon.com** (Sep 2015 – May 2019) Seattle, WA

**Business Intelligence Engineer** (Aug 2016 – Dec 2018) Level 3, 4

Responsible for developing reports by gathering user requirements, performing ad-hoc analysis, and providing data insights. Used Oracle and AWS Redshift for ad-hoc reporting to support HR operations. Contributed to creation of technical documentation used to train technical and non-technical peers. Analyzed data in Tableau and Kinana to identify trends and deliver actionable insights for stakeholders. Incorporating data validation to ensure accuracy. Used Python to build data frameworks to automate organization reports and APIs connections.

**Key Achievements:**

- Spearheaded the development of new Redshift SQL queries for reporting and dashboards.
- Contributed to the data migration from Oracle to AWS Redshift.
- Used Python to automate manual reporting, saving time and increasing accuracy of reports.
- Designed data warehouses, data models, and entity relations diagrams.
- Developed and maintained ETL architecture from DynamoDB to Redshift data warehouses using SQL, NoSQL, and Python.

**Starbucks** (Feb 2015 – Aug 2015) Seattle, WA (Contract, Rylem)

**Data Administrator**

Responsible for ensuring the consistency, accuracy, and integrity of the organization's master data. Worked with cross-functional teams in the management of creation, updating, and deletion of master data records using SQL queries compiled with data governance policies.

**Key Achievements:**

- Reviewed queue request and make edits the Oracle DW as needed using SQL.
- Maintained data accuracy and integrity by cooperating with customers and ensured safety of data.
- Worked with various departments to understand their data needs and ensure master data supports business processes.
- Generated reports and provided insights on master data quality and management activities.

**AT&T** (Jun 2014 – Aug 2014) Bothell, WA

**Intern (Project Management)**

Teamed up with a senior project manager to learn how to support the planning, execution, and delivery of technical projects within an organization.

**Key Achievements:**

- Coordinated all activities of multiple projects by cooperating with project managers, stakeholders, and application developers to achieve goal.
- Learn and apply project management methodologies and best practices.
- Identify potential project risks and issues and help develop mitigation strategies.
- Trained in Agile and Waterfall methodologies.

**Keller Supply Company** (Dec 2010 – Jun 2014) Seattle, WA

**Corporate Buyer/Data Analyst**

Leveraged data analytics to optimize inventory levels, improve supply chain efficiency, and ensure accurate forecasting. Provided actionable insights to stakeholders, direct management, and executives to support data driven business decisions.

**Key Achievements:**

- Reduced the number of records in the database by 27% by analyzing and removing redundant data.
- Created Ad-Hoc reports using T-SQL and MS Excel.

- Reduced inventory levels 20% by increasing efficiency in purchase orders and inventory management.
- Collaborated with cross-functional teams to develop inventory budget and plan best practices.

**WSP Flack+Kruz** (Jan 2008 – Jan 2009) Seattle, WA

### **Mechanical Drafter/Designer**

Tasked with the design of mechanical systems (fire protection and HVAC) of small commercial buildings with the assistance of senior engineers. Duties included the creation the rough drafts of mechanical systems based on calculations using building codes and existing plumbing designs.

#### **Key Achievements:**

- Utilized building codes to design HVAC and Fire Protection systems.
- Collaborated with other designers to develop construction documents based on requirements.
- Assisted in the corrections and edits using CAD software of larger commercial projects.

**Coffman Engineers** (Jan 2006 – Jan 2008) Spokane, WA

### **CAD Operator**

Worked with senior level engineers and architects to make corrections and edits (redlines) to existing and new construction documents. Also collaborated with other drafters and CAD operators to meet SLA deadlines. Collaborated with architects and engineers to draft and design residential, commercial and mechanical drawings.

#### **Key Achievements:**

- Utilized manual drafting techniques to complete edits and corrections.
- Utilized CAD technologies to complete edits and corrections.
- Gained experience in building codes (i.e., fire protection, residential, and mechanical)

## **EDUCATION**

**BAS - Computer Information Systems Security**, DeVry University, Seattle, WA, 2010 – 2014

#### **Core Curriculum:**

- Fundamentals of Information Security: Introduction to the principles of information security, including confidentiality, integrity, and availability.
- Network Security: Courses on securing computer networks, firewalls, intrusion detection systems, and VPNs.
- Security Policies and Management: Development and implementation of security policies, risk management, and compliance with legal and regulatory requirements.
- Incident Response and Recovery: Strategies for responding to security breaches and recovering from cyber incidents.

#### **Skills Acquired:**

- Proficiency in identifying and mitigating cyber threats.
- Knowledge of network security tools and techniques.
- Ability to implement and manage security policies and procedures.
- Capability to respond to and recover from security incidents.

**AAS - Architectural Technology**, Spokane Community College, Spokane, WA, 2004 – 2006

#### **Core Curriculum:**

- Design Fundamentals: Courses in architectural design, drawing, and drafting, both by hand and using computer-aided design (CAD) software.
- Construction Techniques: Practical courses on construction methods, site management, and building codes.
- Environmental and Sustainable Design: Focus on green building practices, energy efficiency, and sustainable materials.
- Project Management: Training in project planning, cost estimation, and construction management.

#### **Skills Acquired:**

- Proficiency in CAD and other design software (e.g., AutoCAD).
- Understanding of building codes and regulations.
- Ability to produce detailed architectural drawings and specifications.
- Skills in project management and teamwork.