Brien Gleason

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Experienced data engineer and solutions architect leading a team to conceptualize, build and maintain proprietary data solutions for the Department of Homeland Security. Skilled in using modern big data tools and leading agile development teams. Recognized for:

- Collaboratively bringing people and technology together to create innovative solutions in uncharted spaces.
- Quickly comprehending new tools and their applications in solving technological problems.
- Communicating and translating solutions directly to end-users, influencing rapid adoption and utilization.

Skills

- **Languages**: SQL, Scala, Python, Java, Groovy, Javascript, BASH Script, Gremlin
- **Big Data Tools**: Apache Spark, Cassandra, Kafka, Airflow, Solr, Datastax Graph, AWS Redshift
- **Cloud and CI/CD Tools**: AWS, Jenkins, DC/OS, Docker
- **Software Platforms**: Datastax Enterprise, Databricks Analytics Platform, Mulesoft Anypoint Environment
- **General Tools**: Git, JIRA, Confluence
- **Certifications**: Databricks Certified Spark Developer

Deloitte Consulting LLP | Washington, DC   *September 2017 – Present*
Consultant – Strategy & Analytics

An engineer specializing in building analytics environments and software applications for the Department of Homeland Security and creating solutions that are utilized to address national crisis questions.

Data Engineering Lead & Solutions Architect – Shared Analytics Platform (October 2019 – Present)

An analytics platform that combined data from multiple federal government agencies and included data visualization dashboards, a custom UI for non-technical end users, exposed APIs for developers to easily integrate external data and applications and direct data queries through notebooks while enforcing a strict set of data sharing policies for multiple user groups.

- Designed cloud-based system architecture for the entire analytics platform, leveraging available tools and infrastructure within the current enterprise environment and piloting new solutions when current tools didn't meet requirements.
- Led a team of six data engineers in building product roadmaps, reviewing and giving feedback on merge requests and balancing technical and functional priorities to ensure projects are delivered on time.
- Developed a custom RBAC solution that applies a human-readable external ruleset to a distributed graph database and data services in order to facilitate data sharing across user groups.
- Built out containerized data exchange services leveraging Mulesoft and Kafka that allowed other applications to integrate easily with different data sources through a single connection point.
- Provided mentorship to younger team members in a fast-paced hands-on setting.

Data and DevOps Engineer – Graph-Based Software Applications (September 2017 – October 2019)

A cloud-native application using a distributed graph database to visualize connections and network analysis across datasets.

- Built ETL pipelines to transform data from six different data sources into a single distributed graph database.
- Created re-usable, declarative Jenkins pipelines to deploy API and UI code in containers to DC/OS.
- Coordinated with POs to properly break down and scope tasks to deliver work on time and provide mission value.
- Engaged with data analysts to gain domain knowledge and design a data model for the graph database that accurately represents the relationships between the data in a way that provides value to the user.

Data Engineer – Analytics Dashboards (October 2018 – April 2019)

Dashboards visualizing machine learning models to help data analysts to make real-time, data-driven decisions.

- Built ELT pipelines using Python and Apache Spark to move data from transactional databases into AWS Redshift.
- Worked with data scientists to identify access patterns for model training and build indexes to improve query performance.
- Productionalized feature generation and training of XGBoost Machine Learning models and exposed model outputs via APIs deployed in a Docker container.

Education

University of Delaware | Newark, DE   *September 2013 – May 2017*
Bachelor of Science, Honors Degree

Major: Mathematics & Economics   **Minor:** Management Information Systems