

MICHAEL QUINN

michael.quinn808@gmail.com ♦ (703) 674-6554 ♦ mjqmedia.com

EXPERIENCE

CGI Federal

Sep. 2020 – Present

Data Engineer

- Engineer a comprehensive, decoupled data pipeline solution in AWS that serves as a cybersecurity assessment tool used by 70+ federal agencies to handle 300+ GB of data per day.
- Develop Python and PySpark scripts to extract and process data pertaining to 100,000+ government assets.
- Write SQL to perform database operations within a Node.js application, as well as for data analysis.
- Orchestrate ETL processes using AWS Step Functions, AWS Glue, Athena, DynamoDB, Apache Iceberg, Lambda, S3, Docker, CloudWatch, SaaS APIs, and other services.
- Write Terraform to create, maintain, and replicate data pipeline infrastructure in AWS.
- Use Git to help contribute to and manage 35+ CI/CD pipelines and repositories using AWS code suite.
- Collaborate with other engineers to optimize pipeline performance, devise solutions for new objectives, investigate bugs, and ensure adherence to client requirements.
- Work cross-functionally with stakeholders and other teams in an Agile format to track incidents, define product requirements, develop business objectives, create user stories, and maintain project documentation.
- Manage relations with a cybersecurity asset management vendor by maintaining tens of Linux servers, coordinating meetings, submitting feature requests, and applying patches in the form of bash scripts.

CGI Federal

Jun. 2019 – Aug. 2019

Business Analyst Intern

- Utilized Microsoft Power BI to map and visualize data in a hierarchical structure.
- Facilitated Agile team meetings and helped define user stories and objectives.
- Developed a high-level supply chain management solution as a capstone project with a team of interns to be presented to and judged by a panel of senior leaders.

Pennsylvania Multifamily Asset Managers

Jun. 2018 – Aug. 2018

Full-Stack Developer Intern

- Created and designed a web application using JavaScript, HTML, and CSS in an MVC framework for a government housing consulting company.
- Used C# and MSSQL to manage and store data from thousands of various government forms and documents.

CERTIFICATIONS, SKILLS, & INTERESTS

- **Certifications:**
 - AWS Certified Solutions Architect - Associate
 - AWS Certified Cloud Practitioner
 - Certificate in Business Fundamentals (UVA McIntire Business Institute)
- **Skills:** Python, SQL, AWS, PySpark, Terraform, Git, Linux, Agile, Docker, Typescript, React, Elastic.
- **Interests:** Blogger, avid concertgoer, mountain bike enthusiast, rec league basketball, NFL follower.

EDUCATION

University of Virginia

May 2020

B.S., Systems Engineering

Charlottesville, VA

- Graduated with distinction from the School of Engineering and Applied Science.
- Wrote a thesis (“Big Data and its Implications for Privacy”) discussing various media platforms and their use of data, such as Spotify and its data analysis technologies for catering to its user base.
- Re-founding father of the Sigma Nu fraternity (Beta chapter).