

MICHAEL QUINN

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

WORK EXPERIENCE

CGI Federal

Sep. 2020 – Present

Business Analyst

Arlington, VA

- Engineer and manage a comprehensive, cloud-based data pipeline solution that forms the backbone of a cybersecurity assessment tool used by 70+ federal agencies under the DHS CDM program.
- Write and refine ETL scripts utilizing Python, Apache Spark, and SaaS tool APIs to load and transform billions of rows of sensitive data pertaining to 100,000+ government devices from various cloud security applications.
- Deploy and configure hundreds of AWS cloud resources across 20+ accounts using Terraform.
- Implement and maintain step functions involving S3, Lambda functions, Docker containers, AWS Glue, Elastic deployments, CloudWatch, and other AWS services to handle and process 300 GB+ of data per day.
- Use SQL to conduct analysis and ensure data quality and consistency at various stages throughout the pipeline.
- Engage in cross-team collaboration on a daily basis to help manage 25+ Git repositories, troubleshoot pipeline errors, respond to CloudWatch alerts, submit Production change requests, and setup new agency collections.
- Directly manage a vendor-supplied SaaS tool by maintaining tens of Ubuntu servers, leading weekly cadence meetings, coordinating feature requests, applying patch files, investigating bugs, and updating documentation.

CGI Federal

Jun. 2019 – Aug. 2019

Business Analyst Intern

Fairfax, VA

- Facilitated Agile team meetings and helped define user stories and objectives.
- Gained experience with Microsoft Power BI to map and visualize data in a hierarchical structure.
- 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

Bethesda, MD

- Work as a full-stack software developer on a small, internal engineering team to build an internal web application and numerous reports for a government housing consulting group.
- Use JavaScript, HTML, CSS, and jQuery in an MVC framework to create and design multiple document templates used for HUD forms, as well as C# and SQL tables to design the hierarchy of reports.

EDUCATION

University of Virginia

May 2020

B.S., Systems Engineering

Charlottesville, VA

- Graduated with Distinction from the School of Engineering and Applied Science (GPA: 3.5)
- 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).

CERTIFICATIONS, SKILLS, & INTERESTS

• Certifications:

- AWS Certified Solutions Architect - Associate
- AWS Certified Cloud Practitioner
- Certificate in Business Fundamentals (UVA McIntire Business Institute)

• Skills: Python, AWS, Terraform, SQL, Git, Linux, HTML, JavaScript, React, Axonius, Elastic.

• Interests: Music blogger, avid concertgoer, mountain bike enthusiast, rec league basketballer, NFL follower.