

MICHAEL QUINN

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WORK EXPERIENCE

CGI Federal

Business Analyst

Sep. 2020 – Present

Arlington, VA

- Engineer and manage a comprehensive, cloud-based data pipeline solution that serves as a cybersecurity assessment tool used by 70+ federal agencies under the DHS CDM program.
- Compose and refine several ETL scripts utilizing Python, Spark, AWS Glue, and backend APIs to load and transform billions of rows of sensitive data pertaining to 100,000+ government devices.
- Automate workflows in AWS using Step Functions, S3, Lambda functions, Docker containers, API calls, EC2, Elastic deployments, CloudWatch, and other services to handle and process 300 GB+ of data per day.
- Use Terraform to deploy and configure hundreds of AWS cloud resources across 20+ accounts.
- Collaborate with other engineers to optimize pipeline performance, manage 25+ code repositories, devise solutions for new objectives, investigate bugs, and satisfy client requirements.
- Perform data analysis using SQL to ensure quality and consistency at various stages of the pipeline.
- Work with product owners and stakeholders to gather client requirements, develop business objectives, lead cadence meetings, submit feature requests to vendors, perform upgrades, and update documentation.

CGI Federal

Business Analyst Intern

Jun. 2019 – Aug. 2019

Fairfax, VA

- Facilitated Agile team meetings and helped define user stories and objectives.
- Used 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

Full-Stack Developer Intern

Jun. 2018 – Aug. 2018

Bethesda, MD

- 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.

EDUCATION

University of Virginia

B.S., Systems Engineering

May 2020

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).

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, React.js, HTML, JavaScript, Git, Linux, Docker, Axonius, Elastic.

• Interests:

 Blogger, avid concertgoer, mountain bike enthusiast, rec league basketball, NFL follower.