

MICHAEL QUINN

Business Systems Analyst

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EXPERIENCE

CGI Federal, Business Systems Analyst

Intern 2019; Full-Time September 2020 – present

- Engineer and manage an extensive end-to-end data pipeline solution integrated with Python, Docker, S3, AWS Glue, AWS Lambda, ELK stack, and AWS Step Functions to form the backbone of a comprehensive cybersecurity assessment tool used by 60+ federal agencies under CISA's CDM project.
- Write and refine Python and ETL scripts to extract, analyze, and transform large amounts of sensitive data pertaining to 90,000+ government devices while adhering to strict data quality requirements.
- Lead meetings and collaborate closely with stakeholders and SaaS vendors to collect requirements, coordinate feature requests, apply system patches, investigate bugs, and maintain infrastructure.
- Deploy vast amounts of cloud resources across multiple accounts and environments using Terraform.
- Work with a small team of engineers to manage tens of Git repositories and review code changes.
- Deploy and run patches across tens of Linux machines using Putty and bash scripting.
- Create and manage deployments to host and present data using Elasticsearch and Kibana.
- Manage workload and deploy Production changes using an Agile framework and ServiceNow.

Pennsylvania Multifamily Asset Managers, Full-Stack Developer

June 2018 – August 2018

- Work as a full-stack software developer on a small, internal engineering team using an MVC framework to build web applications and reports for a government housing consulting group.
- Use JavaScript, HTML, CSS, jQuery, and bootstrapping 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, Charlottesville, VA

Graduated with Distinction 2020

School of Engineering and Applied Science, B.S. Systems Engineering

- Thesis ("Big Data and its Implications for Privacy"): Discussed various media platforms and their use of data, including Spotify and its data analysis technologies for catering to its user base.
- Relevant coursework: Data & Information Engineering, System Evaluation, Human Machine Interface, Linear Statistical Models, Software Development Methods, Statistics, Engineering Public Policy.

McIntire Business Institute

Certificate in Business Fundamentals

Spring 2020

- Studied the fundamentals of finance, management, accounting, and marketing.

SKILLSET & CERTIFICATIONS

- **AWS Certified**: Solutions Architect Associate, Cloud Practitioner *Expires 11/2025*
- **Sustainability Capstone Project**: *The Green Program* in Cusco, Peru
 - Led an interdisciplinary team to develop an entrepreneurial business plan addressing modern sustainability challenges connected to the UN's Sustainable Development Goals (SDGs)
 - Restored a self-sustaining greenhouse for a local under-resourced elementary school
- **Coding**: Python, SQL, Terraform, bash, R, Git, HTML, C#, Java, JavaScript, CSS, pwsh, AWS CLI
- **Spanish**: Intermediate proficiency in reading, writing, and speaking Spanish

ACTIVITIES/INTERESTS

- Music blogger, playlist curator, avid concertgoer, mountain bike enthusiast