

Jonathan Hercules

jhercule@buffalo.edu | www.github.com/jhercule127 | (516)-423-0225

Education

University at Buffalo

Buffalo, NY

Bachelor of Science in Computer Science, *cum laude* (GPA:3.3/4.0)

September 2016 - May 2020

Certification: AWS Certified Cloud Practitioner, Microsoft Azure Fundamentals (AZ-900)

Relevant Courses: Algorithm Analysis, Data Structures, System Administration, Software Engineering

Technical Skills

Languages: Python, Java, HTML/CSS, JavaScript (familiar), Bash (familiar)

Technologies: GitHub/Git, Visual Studio Code, Linux/UNIX, Windows, Agile Development, Docker, Amazon Web Services (AWS), JIRA, Spring/SpringBoot, Microsoft Azure

Experience

Bank of New York Mellon

February 2021 - August 2022

Cloud Engineer, Public Cloud Engineering

New York, NY

- Assisted in the creation/development of microservices, consisting of REST APIs, in SpringBoot that serve as orchestrators for provisioning of public cloud infrastructure in Azure and Google Cloud Platform.
- Provided daily monitoring and management of our public cloud microservices within the firm's in house container platform, App Engine, which consists of YAML templates and Docker containers.
- Engaged in tool development to streamline and automate existing/new tasks in order to reduce team workload, cleanup redundant cloud-based resources, and improve support to internal/external clients.
- Expedited the integration of customized Gitlab runners to CI/CD pipelines that would deploy Dockerized images to one of our public cloud providers.
- Leveraged knowledge in Git/GitLab, Bash, Spring/SpringBoot, YAML, REST, Docker, Terraform, GCP, Azure specifically Azure Active Directory, Azure Resource Manager, Azure Java SDK.

Centene Corporation

May 2020 - February 2021

Software Engineering Intern, Claims Nextgen

Buffalo, NY

- Developed a script to integrate third party tools for projects developed in AWS by automating the process of pulling appropriate Dockerized images and pushing them into the appropriate AWS Elastic Container Registry.
- Assisted developers and architects in the establishment of the CI/CD infrastructure for current and onboarding teams in Amazon Web Services (AWS).
- Established the initial work of integrating Veracode static scans for applications in CI/CD pipelines.
- Leveraged knowledge in Agile, Git, Python, Docker, AWS specifically CloudFormation, S3, CodeBuild, CodeCommit, ECR, EventBridge, Lambda, and IAM.

Projects

Personal Website - www.jhercules.com

- Created my own website hosted on Azure using Azure CDN, Azure Blob Storage, Azure Functions, and Azure Cosmos DB. Also utilized Github Actions to create a CI/CD pipeline for automated deployments.

Amazon Web Scraper - <https://github.com/jhercule127/AmazonScraperApp>

- A Flask Application that could take inputted products on Amazon.com and scrape through them for information such as price, availability, and product description.