

Myles Petillo

New York, NY | [LinkedIn/myles-petillo](#) | [GitHub/4daysonend](#) | [myles4days.com](#) | (917) 702-1433 | mylespetillo@gmail.com

Dedicated Infrastructure Professional with extensive experience in automating workflows, managing distributed Windows-based environments, and ensuring high availability of public-facing systems. Skilled in PowerShell, configuration management, and infrastructure as code, with a strong understanding of Windows Server. Committed to providing innovative solutions and maintaining robust, scalable infrastructures.

EDUCATION

Per Scholas | Re/Start

Amazon Web Service (AWS) Cloud Practitioner (CCP)

Remote
Winter 2023

Certifications

Linux Foundation Training

Certified Kubernetes Administrator (CKA)

Remote
Spring 2024

Code Camp

Scientific Computing with Python

Networking, Relational Databases, Data Visualization

EPA 608 Universal Certification

LCA Introduction to Lighting Controls Certificate

Remote
Pending

Baruch College City University of New York

Bachelor's in business administration (B.B.A) Marketing Management

Winter 2022
Fall 2022
New York, NY

SKILLS

Microsoft: Excel, Word, Power Point, AWS, Python, Bash, Kubernetes, Docker, Terraform, Google Cloud Platform (CGP), PowerShell, Linux, Command Line Interface (CLI), Visual Studio Code (VSC), Windows Server, TCP/IP, HTTP, CheckMK, Splunk, Grafana, Pure Storage, VMware, SQL Server, RDS, .NET, ASP.NET, IIS

TECHNICAL TRAINING

Linux Foundation Training

Certified Kubernetes Administrator (CKA)

~ Mastered Kubernetes architecture, including API server, scheduler, and controller manager.

~ Managed Kubernetes networking, including pod network connectivity, DNS, and Ingress controllers.

~ Implemented storage management and persistent volume claims for stateful applications.

~ Ensured cluster security through role-based access control (RBAC) and network policies.

~ Conducted troubleshooting for various Kubernetes issues, including node failures, networking problems, and application deployment issues.

Remote
Spring 2023

AWS Re/Start

Certified Cloud Practitioner

~ Developing IT skills with practical experience in Linux, Python, and Shell scripting.

~ Implementing key cloud computing, storage, and network solutions offered by AWS (Amazon Web Services), including EC2, S3, Lambda,

CloudFormation, RDS, Route 53, and Amplify.

~ Demonstrating effective written and verbal communication skills with the ability to translate technical information into non-technical terms for end-users.

~ Setting up, maintaining, and supporting key AWS services.

New York, NY
March 2023

The Cloud Boot Camp Intensive

Multi-Cloud Architecture

~ Enabled a Multi-Cloud Architecture deployment through Terraform, with resources running in AWS and Google Cloud Platform.

~ Converted a database and application to run on AWS and Google Cloud Platform, including Docker and Kubernetes on the path. Migrated application files and data from a database.

New York, NY
October 2023

Stacks + Joules

Build Automation System

~ As a presenter for Stacks+Joules, I engage in speaking events to share the organization's mission and curriculum.

~ Niagara4: Programmed Pump and Boiler Control systems, schedule systems and PX graphics

~ Refrigeration cycle: produced an educational film to show that they were aware of the refrigeration cycle.

~ Learned building operational and facilities management procedures via operator FM stakeholder interviews and associated site visits.

New York, NY
July 2022 - October 2022

PROJECTS

Stacks + Joules

(Python, CLI, Terraform)

~ Spun up and maintain over 20 compute engines using Terraform to host proprietary building automation solutions, scaling classroom sizes.

~ Participated in a panel discussing the advantages of a hybrid environment in the smart building space. Advocated for innovation in commercial REI and consulted on digital solutions growth in digital twinning, IoT devices, and edge computing.

New York, NY
New York, NY
Spring 2023

Freqtrade Project

(Python, Docker)

~ Freqtrade is an open-source cryptocurrency trading bot written in Python.

~ Deployed and managed Freqtrade using a VPS and Docker to deploy trading bots and implement trading strategies. Maintained software changes.

New York, NY
Winter 2023

Digit-Recognition

(Python, Jupyter Notebook, JavaScript, AWS, EKS, kubeflow, JavaScript)

~ Developed an automated ML pipeline for digit recognition using Kubeflow on Kubernetes. Responsibilities included deploying Kubernetes with EKS, configuring Kubeflow, integrating Jupyter Notebooks, setting up MinIO for storage, and configuring Kserve for model serving. Ensured efficient data acquisition, preprocessing, model training, deployment, and inference for seamless ML workflow management.

PROFESSIONAL EXPERIENCE

Henry Street Settlement

Energy Audit Field Ops Lead

~ Lead and manage energy audit field operation, including site visits, energy assessments, data collection, and analysis, for a range of buildings and facilities.

~ Collaborate with other interns and staff members to coordinate and execute energy audits, ensuring timely and accurate completion of tasks and deliverables.

~ Use energy auditing tools and software to gather data and analyze energy usage patterns, identifying areas for improvement and potential cost savings.

New York, NY
February 2023