CODY ANTONIO GAGNON

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EXPERIENCE

Software Engineer II (Cloud Engineer)   Mar 2021 — Present
Mercury Marine, Brunswick Corp.   Fond Du Lac, WI (Remote)

- Improved Azure ML reliability for three projects by resolving Kubernetes resource scaling issues, increasing successful responses from 60% to over 99% (based on ~2,000 HTTP requests/day).
- Reduced Docker build time by over 50% and image size by more than 500MB through leveraging multi-stage builds, saving 50+ hours of CI/CD build + deployment time over five projects.
- Contributed to internal Terraform module used in over 300 projects and roughly 600 infrastructure environments across Brunswick Corp., with the module downloaded and applied 20k+ times.

Makerspace Student Technician   Nov 2019 — Dec 2020
University of Washington, Global Innovation Exchange   Seattle, WA

- Authored Python Open-Source contribution for Microsoft's Azure IoT Hub library for Arduino, saving users ~40% or 30 minutes of set up time by automating ESP8266 & ESP32 board configuration.
- Led a team of six to design and implement a web interface connecting 40+ users' Arduino Azure IoT Hub devices using Python SDK for Azure, Azure Functions, and vanilla HTML/CSS/JavaScript.
- Developed Microsoft Power Automate flow with ~1k downloads which syncs calendars between Microsoft Teams Shifts and Outlook or Google Calendar.

Cloud Engineer   Aug 2018 — Sep 2019
Refactr, Inc. (now Sophos Factory)   Seattle, WA

- Implemented 30 composable Infrastructure-as-Code (IaC) resource templates in a DevSecOps platform used by customers of the now acquired startup.
- Developed automations for setup and configuration of remote Windows hosts using Ansible & PowerShell.
- Communicated Quality Assurance (QA) for releases of an enterprise web app for delivering features to SaaS customers.

EDUCATION

University of Washington, Global Innovation Exchange   2019 — 2020
Master of Science in Technology Innovation - 3.9 GPA   Seattle, WA

- Collaborated with Microsoft to deploy hardware-based carbon-monitoring tech at SeaTac airport.
- Contributed Open-Source Python script for AzureIoTHub Arduino users.
- Created FaceSpace: a static web app using Google's Handpose + Facemesh ML models for the Covid Global Hackathon, which was built with six classmates in a week.

Seattle Central College   2012 — 2018
Bachelor of Applied Science in IT Networking   Seattle, WA

SKILLS

Code: Python, JavaScript, Unix/Linux Shell Scripting, Infrastructure as Code, TypeScript, C#, HTML, CSS

Tools: Kubernetes, Terraform, Ansible, Docker, Azure, Azure DevOps, git, SQL, Flask, Angular, .NET

CERTIFICATIONS

- CKAD: Certified Kubernetes Application Developer
- AZ-204: Azure Developer Associate
- CompTIA: Linux+
- Cisco Certified DevNet Specialist - Core
- Cisco Certified Network Professional Enterprise (CCNP Enterprise)