Justin Helfman

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SKILLS & CERTIFICATIONS

Programming & Scripting Languages	Cloud & Infrastructure	DevOps & Automation	Monitoring, Security & Data	Certifications
Python ● C ● SQL ● PostgreSQL ● MySQL ● Microsoft SQL Server ● Bash ● Powershell ● Node.js	Amazon Web Services (AWS) ● Azure ● Google Cloud Platform (GCP) ● GovCloud ● Linux/Unix ● Docker ● Kubernetes ● Ansible ● Hybrid Cloud Architecture	Continuous Integration Continuous Delivery/Deployment (CI/CD) ● Jenkins ● Git ● GitHub ● GitLab ● GitHub Actions ● GitLab CI/CD	Datadog ● Wiz ● IBM DOORS ● Flask ● Django ● Extract, Transform, Load (ETL) ● Cybersecurity Posture Management	AWS Certified Developer - Associate ● Azure Fundamentals

EXPERIENCE

Pratt & Whitney   Jun 2023 - Jan 2025
Software Engineer   Denver, CO

- Audited hybrid cloud infrastructure (AWS & Azure), uncovering $1.9M in idle assets and improving cybersecurity posture.
- Mapped 150+ software tools; resolved 76% with ownership gaps by presenting action plans to directors.
- Built Python/Django KPI dashboard adopted org-wide, saving directors 30+ hrs/quarter in manual reporting.
- Migrated DevSecOps to AWS GovCloud with zero downtime, boosting secure cloud compliance for classified programs.
- Led sprint reviews and demos for DoD customers, tracking 30+ features and syncing priorities with engineers.
- Built ETL pipeline to ingest IBM DOORS data into PostgreSQL, improving reporting and cross-team collaboration.

BarrelSense   Feb 2023 – Jun 2023
Site Reliability Engineering Consultant   Denver, CO

- Designed Azure cloud-native architecture for MVP, enabling first pilot customer rollout and team testing workflows.
- Aligned MVP features with feedback from product leads, investors, and prospective customers and partners.

Alteryx   Jul 2022 – Jan 2023
Site Reliability Engineer   Denver, CO

- Collaborated with Customer Success to triage bugs, fix outages, and resolve 100% of critical issues raised.
- Tuned GCP observability in Datadog to reduce false alerts and minimize fatigue for the on-call engineering team.
- Led Agile transformation across the team, aligning engineering efforts with business priorities and boosting velocity.

Alteryx   May 2021 – Aug 2021
DevOps Intern   Denver, CO

- Reduced CI/CD pipeline time by 75% (6 hours) through Ansible-based automation of AWS image builds.

Eaton Corporation   Jun - Aug 2020 / Jan - Apr 2021
Software Engineer Intern   Remote

- Built automation scripts for circuit breaker testing, reducing manual QA and boosting firmware reliability.
- Developed an automated CI/CD pipeline with VMware & Jenkins, saving 2,000+ engineering hours annually.

EDUCATION

Purdue University,   Aug 2018 - May 2022
B.S. Computer Engineering | Entrepreneurship & Innovation Certificate

PROJECTS

SmartTrails AI

- Built TensorFlow models to predict hike times using distance, elevation, climbing grade, and GPS data.
- Developing an NLP model to recommend hiking/camping trips based on drive range, weather, duration, and permit availability.

VOLUNTEERING

VocaliD

- Collaborated with researchers to test and refine speech synthesis pipelines for inclusive voice generation.

Friendship Circle

- Supported children with special needs and co-led peer-driven event planning to promote inclusion and community.