

Justin Helfman

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SKILLS & CERTIFICATIONS

Programming & Scripting Languages

Python • C • SQL • PostgreSQL • MySQL • Microsoft SQL Server • Bash • Powershell • Node.js • HTML • CSS • XML/XSL

Cloud & Infrastructure

Amazon Web Services (AWS) • Azure • Google Cloud Platform (GCP) • GovCloud • Linux/Unix • Docker • Kubernetes • Ansible • Hybrid Cloud Architecture

DevOps & Automation

Continuous Integration • Continuous Delivery/Deployment (CI/CD) • Jenkins • Git • GitHub • GitLab • GitHub Actions • GitLab CI/CD

Monitoring, Security & Data

Datadog • Wiz • IBM DOORS • Flask • Django • Extract, Transform, Load (ETL) • Cybersecurity Posture Management

Certifications

AWS Certified Developer - Associate • Azure Fundamentals

EXPERIENCE

Pratt & Whitney

Software Engineer

Jun 2023 - Jan 2025

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+ hours/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

Site Reliability Engineering Consultant

Feb 2023 – Jun 2023

Denver, CO

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

Alteryx

Site Reliability Engineer

Jul 2022 – Jan 2023

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

DevOps Intern

May 2021 – Aug 2021

Denver, CO

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

Eaton Corporation

Software Engineer Intern

Jun - Aug 2020 / Jan - Apr 2021

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,

B.S. Computer Engineering | Entrepreneurship & Innovation Certificate

Aug 2018 - May 2022

PROJECTS

SmartTrails AI

- Built TensorFlow models to predict hike times using distance, elevation, climbing grade, and GPS data.
- Building a Generative AI-powered NLP model to recommend hiking trips based on distance, weather, and permits.

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.