



Introduction

Hi 🙋,

My name is Joseph Stout, everyone just calls me Joey. On the tech side I love Kubernetes, OpenTofu, CNCF, The Cloud, and writing software. I would thrive in an environment where I can dive into any type of code on a daily basis. On the personal side I love hockey, cold weather, snakes, and spending time with my family. I can talk about the Columbus Blue Jackets for as long as you would like.



Skills

I. Lead DevOps Engineer

- Led the deployment of FedRAMP-compliant cloud infrastructure for Kubernetes platforms, ensuring adherence to all security controls and guidelines.
- Collaborated with cross-functional teams to design and implement reusable CI/CD pipelines, resulting in a more efficient and streamlined deployment processes.
- Proactively identified opportunities for automation and optimization, resulting in increased efficiency and cost savings within the environment.
- Built a Kubernetes based platform from the ground up allowing full adoption of Kubernetes with engineers unfamiliar with the technology.
- Created reusable base helm charts that stood as the template for all types of deployments.
- Introduced and implemented canary deployments, GitOps best practices, and OpenTofu to a organization that wanted to level up from manual practices.
- Mentored team members on best practices and technologies, fostering a culture of continuous learning and professional development.
- Conducted internal workshops and knowledge-sharing sessions.

II. Site Reliability Engineer

- Implemented monitoring and logging solutions to provide real-time visibility into Kubernetes performance and security, ensuring rapid incident detection and response.
- Created an incident response framework implemented organization wide, leading to swift resolution and minimal impact on system availability and performance.
- Designed, implemented, and managed Kubernetes clusters for high availability and scalability.
- Optimized Kubernetes resource utilization, ultimately reducing infrastructure costs by 40%.
- Designed and implement OpenTofu modules to create infrastructure as code (IaC) for AWS resources, ensuring consistent and repeatable deployments.
- Implemented GitOps workflows using FluxCD and ArgoCD, enabling continuous delivery of infrastructure changes.
- Leveraged AWS services like EC2, S3, RDS, and Lambda to build resilient and scalable architectures.
- Implemented auto-scaling and load balancing for critical applications, enhancing fault tolerance and performance.
- Collaborated with cross-functional teams to design and implement shared infrastructure components.

III. Honorable Mentions

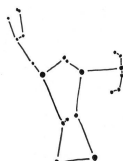
- Built a documentation portal for the Kubernetes open source communities. (manifests.io)
- 10+ years experience with AWS environments utilizing a very broad range of services.
- Familiarity with regulated spaces like PCI, FEDRAMP, and HIPAA.
- Built enterprise grade tooling for DevX purposes.

Contact

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Work History

- I. 08/2021 - Present: Lead DevOps Engineer
 - **Updater Inc**, New York, NY
- II. 02/2019 - 08/2021: Sr. Site Reliability Engineer
 - **Beam Dental**, Columbus, Ohio
- III. 10/2015 - 02/2019: DevOps Analyst
 - **MoveHQ**, Reynoldsburg, Ohio