

# Tyler Sullens

tcsullens@gmail.com | github.com/tcsullens

## Skills

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**Programming:** Python, Golang, NodeJS, Ruby (Bash)

**DevOps/Platform:** AWS. Docker, Kubernetes, Helm, ArgoCD, ECS, Terraform, Vault, CircleCI, GitHub Actions, Cloudflare, Akamai, MySQL, PostgreSQL, Prometheus/Grafana, DataDog, New Relic, Elasticsearch/OpenSearch, Redis, RabbitMQ

**Data:** Redshift, Airflow, DBT, Looker, Glue, Debezium, Kafka

## Experience

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### Senior Platform Engineer, Wrapbook

Current

Managing and scaling a Rails SaaS, focusing on developer experience, CI/CD scaling and performance, any everything else infra/sre.

### Senior Infrastructure Engineer II, Axios – Washington, DC

Jan 2022 – Aug 2024

- Worked with team members and stakeholders to shape and guide team strategy.
- Reduced Kubernetes costs by 50% through right-sizing deployment resources and optimizing EKS node types.
- Configured and supported Data Infrastructure components eg. Redshift clusters, Airflow, AWS Data Lake, AWS Batch.
- Developed tooling and CI workflows to simplify the deployment of Airflow DAGs and Tasks.
- Established standards and best practices around data pipeline design and developed tooling to effect them.
- Reduced Data Lake storage costs by 50% by implementing S3 lifecycle management policies.
- Accelerated DBT adoption by developing custom CI jobs and DBT functionality to support running changes in custom environments (replicating (DBT Cloud's *Slim CI*), and Airflow tooling for DBT jobs.
- Improved Data team's ability to manage, triage, and resolve pipeline and data issues by implementing a data observability tool (MonteCarlo), ultimately helping to reduce overall issues and improving quality-of-life.

### Senior DevOps Engineer, CoStar – Washington, DC

Mar 2021 – Jan 2022

- Migrated CoStar's flagship service to Kubernetes blue/green deployment, using Argo Rollouts.
- Dockerized and deployed .NET applications using Azure Pipelines and Helm.
- Upgraded Kubernetes clusters without downtime by building Azure DevOps Pipelines and Terraform IaC resources.
- Mentored junior team members, fostering a DevOps mindset and aligning processes with organizational goals.

### Lead DevOps Engineer, FiscalNote – Washington, DC

Sep 2019 – Mar 2021

- Guided team transition to agile practices and developed technical strategy and roadmap.
- Improved cross-team communication and visibility by introducing email-based sprint reports for each team to present their accomplishments and ongoing projects.
- Automated test environment "refresh" process by developing a python tool to snapshot, replace, and customize 10+ RDS instances in parallel, reducing the overall time and effort to complete.
- Improved ability to troubleshoot and identify root cause during outages/service issues by creating a

React-based dashboard showing the live health (endpoint) status of all microservices (10+).

- Supported engineering effort to achieve and maintain SOC 2 compliance.
- Designed modern multi-account AWS architecture with cross-account VPC connectivity using Transit Gateway.

**Software Engineer, Elastic Cloud –Washington, DC**

Feb 2019 – Sep 2019

- Optimized and managed the CI (Jenkins) workflows responsible for building and publishing versions of the Elastic Cloud platform (internal and enterprise).
- Integrated new versions of Elastic Cloud and (new) Elastic products into dev environments.
- Participated in on-call support, investigating and resolving issues with customer Elastic Cloud deployments.

**Lead DevOps Engineer, NPR – Washington, DC**

Mar 2016 – Feb 2019

- Transformed and grew a small traditional ops-style team to an agile DevOps project team, expanding the team size and organizational role.
- Reduced server deployment times by building custom debian packages and optimizing Chef cookbooks.
- Enhanced Chef server management by building an internal dashboard showing status and node information (Golang + React)
- Led expansion of infrastructure into AWS, developing standards and best practices for cloud deployments.
- Architected multi-region (AWS) service and failover system (and saw it work in production).
- Mentored team members through project to replace legacy, risky code deployment process with
- Developed initial kubernetes environment, enabling the first container-based service deployments.

**Education**

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**West Virginia University – BS in Computer Science 2012**