

JASON D'AMOUR

STAFF
SOFTWARE
ENGINEER,
INFRA

📍 San Francisco, CA
☎️ (408)-386-3119
✉️ jasondamour98@gmail.com
🌐 <https://jasondamour.com>
🌐 @jdamour
🌐 @jasondamour

CAREER

Staff Software Engineer - *Five9 / Jul 2023 - Present*

- Tech lead for a team of 8 engineers, responsible for planning, scoping, and designing projects before implementation
- Migrated a critical core component from our on-prem data center to our cloud native architecture for rapid deployments
- Onboarded the entire stack of an acquired company, resulting in their on-prem stack running as single-tenant namespaces in GKE, managed by our automated provisioning events system
- Managed an intern with daily check-ins, and created a 4-step rotation contributing to apps, infra, automation, operations

Senior Software Engineer - *Five9 / Feb 2021 - Jul 2023*

- Designed the architecture of a telecom system on Kubernetes, resulting in a unified control plane across complex data planes
- Oversaw aggressive cost saving efforts, cutting more than 60% operation cost through optimized compute utilization
- Established SLAs/SLIs for uptime, response time, and more in collaboration with our SRE team
- Migrated GKE clusters and databases between regions
- Integrated a suite of security tools for dependency vulnerability, license management, and code quality

Software Engineer - *Five9 / Aug 2018 - Feb 2021*

- Onboarded microservices onto a new cloud native platform
- Defined the standard for directory structure of Git repos, gradle modules, helm charts, dockerfiles, etc, used today in 1200+ repos
- Implemented the centralized repository for CI/CD templates, using a modular pattern which allowed flexible usage
- Hosted CI Runners on GKE with extensive performance tuning

FREELANCE

Infrastructure Consultant - *Plytrix / Oct 2022 - Present*

- Guided and built framework for a new marketing data analytics platform infrastructure using Databricks, Fivetran, and Preset
- Defined multi-workspace terraform structure, deployed multiple environments, and absorbed manually-provisioned infrastructure across AWS, GCP, and Azure
- Rewrote existing Java Spring Boot backend to use OpenAPI spec standard, enabling the dynamic generation of SDKs in different languages (Golang, Typescript, Java, Python)
- Developed a Python CLI on top of the autogenerated Python SDK which wrapped together DBT, Databricks CLI, and Plytrix's custom business logic for analysts
- Developed a custom Terraform Provider on top of the autogenerated Golang SDK which allowed the management of data sources and Jupyter notebooks as declarative code

SKILLS

- GCP
- AWS
- Kubernetes
- Istio
- Prometheus
- Docker/Kaniko
- Terraform/Terragrunt
- Python
- Bash
- Java
- Typescript
- Golang
- Databricks
- Gitlab CI/CD
- Github Actions
- Site Reliability Engineering

CERTIFICATIONS

- Google Cloud Professional Cloud Architect (2019)
- Google Cloud Professional Cloud Developer (2019)
- AWS Certified Cloud Practitioner (2020)

PROJECTS

- [Discord Bot for GCP Game Servers](#)
- [Personal Website](#)