

## AMY (DAVID) MAAS

385-304-3329 (voip)  
amyerinmaas@gmail.com  
Sandy, UT

### SUMMARY:

- Long time DevOps/SRE/Infrastructure Engineer with roughly 18 years of experience leading and supporting SaaS platforms, cloud implementations, and effective operations automation. Innovative leader with a record of accomplishment in delivering high availability system performance using both leading-edge and legacy automation tools to monitor, maintain and upgrade systems securely and efficiently. Detail oriented.
  - **Infrastructure as Code (IaC)** – Terraform, Helm Charts, Puppet, Kubernetes, Chef, Ansible, AWS related scripting, GCP, AWS expert, CloudFormation
  - **Scripting and Programming** -- Bash, PERL, C++, Java, Python. Terraform, Helm, Puppet, Chef, Ansible
  - **Search and Data** -- Kafka, Cassandra, MySQL, MongoDB, Solr, Storm, RDS, Aurora, ElasticSearch, Redis, other KV stores, RabbitMQ, ActiveMQ, Zookeeper, PostgreSQL
  - **Deployment & CI/CD** – Kubernetes, EKS, GKE, Docker, Jenkins, Artifactory, Heroku, Rundeck, Helm, Git, GCR. Experience with a very wide range of CI/CD, deployments, and software. Git, SVN, and Artifactory
  - **Compliance** – FEDRAMP, SOC 2, PCI, Security Industry Experience, HashiCorp Vault, k8s Secret Management, Audit/Remediation cycles. Nessus/Tenable, Burp Suite, Acunetix, HackTheBox
  - **Observability** -- Splunk Enterprise & Operator, Nagios, PagerDuty, VictorOps, Grafana, New Relic (as a user), Kibana, Sumologic

### ADDITIONAL SKILLS:

- SaaS, AWS Expert, Kafka expert, GCP, IaC & Terraform, Cloud Platforms, Kubernetes, Cybersecurity & Compliance, DevOps Automation, Testing, Maintenance, CI/CD, Troubleshooting, Databases, NoSQL, Networking, Linux, Customer Support, Site Reliability, Infrastructure Engineering

### EXPERIENCE:

#### Ultraviolet Cyber/Adobe Senior IAC Engineer (contract)

May 2025 - Jul 2025

(Senior)

#### Responsibilities:

- Contract to provide Hashicorp Vault support
- Terraform programming expert

Tools: Terraform, Vault

#### Milestones, Inc Developer (part-time)

Apr 2025 - Jun 2025

#### Responsibilities:

- Contract position, I can't really discuss much due to a NDA
- Was an AI company focused on using existing tools for new things
- Company is no longer in existence

Tools: ElevenLabs, DigitalOcean, home LLM instances, various AI tools, AI related planning

#### Xenter, Draper, UT Kubernetes Consultant (contract)

Dec 2024 - Dec 2024

(Consultant)

#### Responsibilities:

- Contract position, early stage start-up
- Main goal was oversight, secondary goal was to work projects and provide guidance for projects
- GitOps managed Kubernetes infrastructure, somewhat similar to Taulia's infrastructure

Tools: Kubernetes, infrastructure design and planning, GitOps, SpiceDB, Postgresql 16, Kafka, helm charts, Github Actions

#### Professional Development Further Education in Programming

Jan 2024 - Feb 2025

#### Achievements:

- edx / Georga Tech online course series: "Computing in Python"
- Udemy course on advanced Terraform usage, Confluent series on modern Kafka architecture
- Authored another CI/CD pipeline (Bash, Python, Terraform)

#### Taulia Inc, Cottonwood Heights, UT

Aug 2022 - Jul 2023

## **Sr DevOps, Cloud Infrastructure Team**

**(Senior)**

### **Responsibilities:**

- Assigned to the Cloud Operations team in an extremely up-to date GKE/GCP based FinTech company.
- Deployed Splunk Enterprise & Operator throughout most of the organization, performed software testing to identify best practices to use with an immature OSS project.
- Worked on resource problems and predictions with GKE for a 100% Kubernetes environment.
- Authored Helm charts and Terraform modules for IaC.
- Compliance related automation and scripting, OKTA integration and auditing

**Tools:** Advanced Kubernetes features, Terraform, HashiCorp Vault, CI/CD, Helm Charts, GitOps, MySQL, k8s operators, Splunk Enterprise, Splunk Operator, Splunk Connect/fluentd, ArgoCD integrations, Jenkins, ActiveMQ, Ingress-Nginx, GKE, SOC2 compliance, GCP, Strimzi (K8s Kafka), Okta

## **Elementum Ltd, Lehi, UT**

**Dec 2021 – Aug 2022**

### **Sr Site Reliability Engineer I**

**(Lead)**

### **Responsibilities:**

- I ran all operations for a large legacy EOled SaaS product after Elementum laid off a remote office.
- Short term job.
- Managed a 200 person workload through extensive use of SRE techniques. Intimate work with EKS, Docker, everything Kubernetes, cost analysis, and being incredibly underhanded.
- Managed around 1200 virtual machines using Chef, additionally operated at least 4-6 heavily loaded EKS clusters
- Managed around a 1/3rd of a million dollars/ month worth of AWS services

**Tools:** Kubernetes, Chef, EKS, Artifactory, Docker, Vault, Jenkins, Terraform and infrastructure importation, Zabbix, Salesforce Tableau, GitLab, Boomi, VictorOps, Sumologic, Palo Alto Networks VPNs, AWS Aurora, AWS Enterprise, Elasticsearch, Postgresql, AWS resource management & billing, compliance and more

## **Proofpoint, Draper, UT**

**Apr 2017 – Aug 2021**

### **Site Reliability Engineer, Infobus JAB Development Team**

**(Lead)**

### **Responsibilities:**

- DevOps/SRE Responsible for InfoBus, a Kafka + Internal Java software stack that ties together Proofpoint's email products.
- *This was a position of technical leadership.* I was responsible for all operations for Infobus
- SME for Kafka and Cassandra!
- Automated and scripted huge numbers of things ranging from compliance and information gathering to maintenance tasks and deployment pipelines in order improve reliability.
- Supported large scale production environments in AWS and a Multi Datacenter environment.
- FEDRAMP compliance and AWS GovCloud.
- Delegation, management, and training tasks.

**Tools:** AWS, Puppet, Apache Kafka, Cassandra, Kerberos, Apache Storm, Terraform, Rundeck, Lots of programming in Bash, GovCloud, FEDRAMP compliance, Grafana, Prometheus, Kibana, Tenable scans, GitOps, CloudWatch, Lambda functions, RabbitMQ, parallel-ssh, Nagios, Cloudformation, Idapd, sssd, and around 50 AWS products

### **Details:**

- Worked to deploy a FEDRAMP compliant environment.
- Large amounts of programming (25% of the job based on time spent)
- Delegated tasks and realigned workloads - minor people management
- In charge of Operations of a huge database cluster and the JAB team's software
- Used parallelization and automation techniques to work with huge database clusters, as well as numerous other tasks like automating maintenance, compliance, and more

## **YP.com aka Yellow Pages, Glendale, CA**

**Aug 2015 - Oct 2016**

### **Sr DevOps Engineer**

**(Senior)**

Supported a search operations development team building Big Data and Java/Tomcat-based applications for a cloud based searchable business directory.

### **Responsibilities:**

- Worked with Solr, feeding, deployments, bug reports, software management.
- Leveraged New Relic and Splunk expertise to help website and application owners manage production site issues
- Created automation using Ansible. Wrote programs to automate redundant, routine tasks.
- Site Reliability – created a heuristic to fix signal to noise problems in New Relic based fault reporting to eliminate false positives

**Tools:** Git, Apache Solr, New Relic, Elasticsearch, Ansible

## **Nixle LLC and Nixle, an Everbridge Solution, San Francisco, CA**

**Feb 2014 - Jun 2015**

## **Sr Admin, DevOps, Network Admin, Office IT**

**(Lead)**

### **Responsibilities:**

- Led the DevOps for an late-stage start-up developing a real-time community alert system with the ability to send text messages, from police, fire departments, municipalities and utilities to the community with a single web interface.
- Ran the networking and websites for a year and a half and introduced and implemented work processes, monitoring tools, and automation to improve system reliability and security. As a result, troubleshooted and repaired mail clusters, VMs, IPSEC; managed restore and backup procedures.
- Managed python based non-containerized microservices and mod\_python.
- Developed scripts for automatically deploying backup VMs to AWS, developer VMs that ran on VirtualBox on developer laptops.
- DBA for a complicated MySQL database upgrade - pMySQL 5.0 to 5.6 as well as other needed changes
- Led the migration to AWS due to high colocation costs

**Tools:** AWS, Cisco ASAs, VMWare, VirtualBox, datacenter, Python, MySQL 5.0, MySQL 5.6, PowerMTA, Postfix, django, mod\_python, build processes for C based software, Django, IPSEC, Puppet, RoR, GlusterFS, JMeter, Heroku, SMS/MMS

## **Mandiant Corp, Redwood Shores, CA**

**Sep 2012 - Feb 2014**

### **MCIRT Sysadmin**

#### **Responsibilities:**

- Used Puppet Configuration Management to manage fleets of experimental antivirus products.
- These days this is called Site Reliability Engineering.
- Wrote a monitoring program to alert the system and sysadmins of bad snort rules.
- Customer support for embedded devices and network troubleshooting in datacenters globally.
- Wrote a tech support manual for an incoming tech support team.

**Tools:** Puppet, GitOps, Snort, malware and adversary training, Network troubleshooting, Nagios, Splunk, AV sandbox results, MongoDB, Customer Service

## **InMotion Hosting, Marina Del Rey, CA**

**Feb 2009 - Sep 2012**

### **WC Datacenter and Network Lead**

**(Lead)**

#### **Responsibilities:**

- Built out and managed the West Coast data center, including its network administration.
- Oversaw email and phone customer support, LAMPs expert
- Re-cabled a data center with copper plenum, redesigned the network topology, and got hands on network admin experience
- Wrote switch management software in PERL
- Monitoring and observability
- Customer Support escalation point

**Tools:** LAMPs, PHP, PERL scripting, Cisco, Juniper, Dell Powerconnect, Apache, Nginx, ethernet cabling, Technical support final escalation point, MySQL, Cpanel, datacenter inventory systems, security and incident response (esp DoS)

## **Alchemy Communications, OC3 Networks, Thought Convergence, Dreamhost, LBCSDC, AWR, Los Angeles, CA**

**Jan 2003 - Jan 2009**

### **IT, Tech Supp/Cx Svc, NOC tech, Datacenter admin, Jr DBA, and Jr Programmer (intern)**

#### **Responsibilities:**

- I worked a number of jobs earlier in my career that don't need their own entries. While I started in the software industry around 2003 as a Jr Programmer for AWR (testing the viability of getting their software working under linux, I wasn't continuously employed by the tech industry until 2008.
- A few other things: Asterisk/VOIP for Badercom and Squid Proxy for Nonlintec

### **EDUCATION:**

Some college, no degree - Connecticut College & Long Beach City College

- Connecticut College - Computer Science (up to and including Data Structures and Algorithms and Computer Organization and Assembly Language at CSULB)
- Long Beach City College - Computer Information Systems & certification courses
- Also took an important course at Cal State Long Beach

**CERTIFICATIONS:** CCNA 1-3, Network+, Oracle PL/SQL

**USEFUL ONLINE COURSES:** Computing with Python, Kafka Security (SSL SASL Kerberos ACL)

**INFLUENTIAL BOOKS:** Learn Kubernetes Security, Kafka Architecture (video series), The Web Application Hacker's Handbook, SparkFLOW series, Kingpin, The Watchman, Ghost in the Wires, The Cuckoo's Egg