

**DAVID A. MAAS****385-304-3329** (voip line)

david.maas@gmail.com

Sandy, UT

**SUMMARY:**

- Long time DevOps/SRE 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) and CM** – 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****May 2025 - Jul 2025****Senior IAC Engineer (contract)****Responsibilities:**

- Contract to provide Hashicorp Vault support
- Terraform programming expert

**Tools:** Terraform, Vault**Milestones, Inc****Apr 2025 - Jun 2025****Developer (part-time)****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
- Did not require a lot of my time, early planning stages
- Company is no longer in existence

**Tools:** ElevenLabs, DigitalOcean, home LLM instances, various AI tools, AI related planning**Xenter, Draper, UT****Dec 2024 - Dec 2024****Kubernetes Consultant (contract)****Responsibilities:**

- Contract position, early stage start-up
- Main goal was to provide guidance and oversight, secondary goal was to work 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****Jan 2024 - Feb 2025****Further Education in Programming****Achievements:**

- edx / Georgia 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****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****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****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 devised and executed strategies to improve scalability, service reliability, upgrades, capacity, maintenance, performance and security.
- 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 regularly test the functioning of a ~200 machine-cluster, as well as numerous other tasks like automating maintenance, compliance, and more

**YP.com (Yellow Pages), Glendale, CA****Aug 2015 - Oct 2016****Sr DevOps Engineer**

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 – addressed severe problems with the website performance error reporting process. Developed a heuristic to fix signal to noise problems in New Relic's fault reporting. As a result, the process eliminated tens of thousands of false or inconsequential errors to reveal the actual problems providing traction and helping the engineers remediate the issues.

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

**Nixle LLC & Nixle, an Everbridge Solution, San Francisco, CA****Feb 2014 - Jun 2015****Sr Admin, DevOps, Network Admin, Office IT****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, troubleshoot 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 - performed a major upgrade from MySQL 5.0 to 5.6. I also switched a number of table engines to improve backups and drastically improve performance.
- 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

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

**Sep 2012 - Feb 2014**

##### **MCIRT Sysadmin**

###### **Responsibilities:**

- Used Puppet Configuration Management to manage fleets of experimental antivirus products. Supported a network of virtual machines that download and test internet traffic before transferring it to a customer network.
- These days this would be considered 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**

###### **Responsibilities:**

- Built and managed the West Coast data center, including its network administration.
- Oversaw email and phone customer support, LAMPS expert
- Innovative major projects: wrote switch management software in PERL, network redesign, cabling, managed subcontractors, etc
- Monitoring and observability

**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)

#### **Various earlier roles -- Alchemy Communications, OC3 Networks, Thought Convergence, Dreamhost, LBCSDC, AWR...**

**Prior to Jan 2009**

##### **Los Angeles, CA**

###### **Responsibilities:**

- I worked at a number of jobs earlier in my career that were technical but don't need their own job entries. The positions were, in no order: IT, NOC tech, Datacenter admin, Jr DBA, Technical Support and a Jr Programmer internship in C++.

#### **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

#### **CERTIFICATIONS:**

CCNA 1-3, Network+, Oracle PL/SQL

#### **USEFUL ONLINE COURSES**

Computing with Python, Kafka Security (SSL SASL Kerberos ACL), others