Zane Williamson — zane.w@hey.com / github.com/sepulworld

With 15 years of experience, I have a strong track record of designing and implementing cloud-native solutions with a focus on automation, security, and reliability. My technical expertise spans multiple platforms, and I have extensive experience with Kubernetes and other container orchestration tools. Additionally, I have a proven ability to lead and mentor mid-level and senior-level engineers, providing them with technical guidance and leadership to ensure successful project outcomes. I am passionate about promoting knowledge sharing and reusability, and I leverage this approach to develop high-quality, maintainable code.

Senior Staff Site Reliability Engineer, Varo Bank (June 2022 to Present)

- Collaborate with cross-functional platform teams to deliver high-quality products, and provide technical leadership.
- Implement SLO/SLIs for multiple engineer platforms
- Enable cluster autoscaling in production to increase reliability and reduce costs
- Build Terraform modules used across multiple platform and engineering teams
- Automate EKS module test automation to validate cluster changes
- Migrate Helm deployments to ArgoCD

Senior Staff Engineer, Flexport (March 2021 to June 2022)

- Designed and built Flexport infrastructure on Kubernetes
- Provided technical leadership, guidance, and mentorship to mid-level and senior-level engineers as a principal software engineer.
- Terraform AWS + Helm Provider driven EKS setups
- Secure access to K8s platform via Teleport
- Github Actions driven CI/CD for infrastructure and application automation
- Python CLI for pipeline entry point
- Terraform modules to allow rapid tooling iteration
- Focused on building team skills and collaboration via pair programming

Principal Engineer, Zillow (October 2015 to June 2021)

- Built a Python Serverless API and collection subsystem for AWS network stack information
- A lead contributor to the k8s bloomberg/solr-operator application
- Designed and implemented core components of Gitlab CI/CD pipelines at Zillow
- Designed a Kubernetes config secret store and open sourced (hyperkube)
- Kubernetes production infrastructure and CI/CD setup for www.trulia.com
- Kubernetes Nginx-ingress and Istio routing and traceability layer
- AWS Lambda driven Elastic MapReduce (EMR) workflows on AWS
- Terraform driven configuration and setup for Kafka, Zookeeper
- Implemented reusable Terraform modules for AWS infrastructure configuration automation
- Envoy sidecar proxy for Varnish caching
- Istio sidecar and platform for request tracing, traffic shaping and mutual TLS security

DevOps Engineer, GeoRiot (contractor, remote) (April 2013 to April 2018)

- Python driven Let's Encrypt cert generation and multi-region HAproxy deployment system
- Nomad + Docker microservice production deployment across multiple cloud providers.
- Contributed to open source Puppet MongoDB module
- Puppetize and network multiple RabbitMQ clusters, RabbitMQ Shovel
- FPM cookery build scripts, and Makefiles to build Deb packages

Sr. DevOps Engineer, Machine Zone (March 2014 to October 2015)

Operations Engineer, Mochi Media (July 2012 - March 2014)

Operations Team, GoGrid (Jan 2010 - July 2012)

System Administrator, LiquidWeb (Feb 2007 - Jan 2010)

Open Source contributions

- hyper-kube-config: API and secure storage k8s configs.
- dinghy-ping: k8s network debugger and streaming logs.
- deadman-check: Monitoring companion for Nomad.
- cidr-house-rules: Python Serverless API and collection system.
- aptly-cli: CLI interface for Aptly package server.
- TFSOA: A dashboard that centralizes disparate Terraform states.

Speaking Events and Publications

- Terraform Modules and Continuous Deployment: Link
- Optimizing our Workflow with AWS: Link
- Trulia Open Sources Serverless Application: Link

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