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Objective:

I'm looking for the right organization where I can make a meaningful impact. I excel in helping smaller organizations get to the next level by focusing on operational scale, automation, and cross-team orchestration.

Relevant Skills:

I've worked in many different situations. As a Sr. Solutions Engineer leading the technical discussion for potential customers, I've had to learn to communicate to upper management the risks and advantages in making certain decisions. As a lone DevOps engineer, I've had to balance priorities for tasks that were coming from all directions. As a team player in a larger DevOps organization, I've had to learn to teach and coach my fellow teammates and in turn I've had to learn to become teachable. In these types of situations, I've also had to learn the value of clear communication and proper documentation. And I've realized that you always have to keep an open mind and an open ear as a good idea can come from just about anywhere.

Work Experience:

Senior Cloud SME 2023-2024 FedSoft - Remote

Current contract is with US Census. Leading efforts with other engineers to help build out our Infrastructure as Code codebase, and CI/CD workflows, leveraging Terraform. Currently working on providing the full feature set of Terraform Enterprise but through Github Actions. Terraform Workspace code for Github Actions can be found here, <https://github.com/HappyPathway/terraform-github-workspace>. This will be used in conjunction with native AWS services to roll out managed execution environments across all Internal AWS Accounts in the organization for the U.S. Census.

Infra Architect 2022-2023 Clover - SunnyVale

Lead projects that drove our Infrastructure as Code and other automation tools to a more modern state. Projects leveraged tools such as Terraform, Packer, Ansible, Custom Python scripts, and other various tools. Most projects were staffed with 3-4 engineers from our various platform teams.

Infrastructure Engineer III 2020-2022 Clover - SunnyVale

Designed, built, deployed and managed supporting services in Development and Production environments. Terraform SME, solely responsible for all tasks in managing Terraform workspaces including onboarding, state management, refactoring, upgrading. Trained all personnel in Terraform and Sentinel. Lead development efforts in Terraform module testing, first leveraging Terratest but upon discovery that Terratest was too complex for most people in the organization, we later moved to a custom built ansible based solution.

Sr. DevOps Engineer 2019-2020 Harness - San Francisco

Designed, built, deployed and managed supporting services in Development and Production environments. Mainly focused on monitoring and other operational aspects of Harness environments. Delivered solutions for templating the creation of compute resources in both GCP and AWS. Provisioned and Maintained Kubernetes clusters and used Harness Application as well as Terraform to deploy required services into environment specific kubernetes clusters.

Sr. Solutions Engineer 2018-2019 Hashicorp - San Francisco

Building out Demo environments using Terraform, Vault, and Consul. Engaged with enterprise customers, driving the sale through technical discussions and workshops with high level executives.

Chief Solutions Architect 2016-* HappyPathway - Petaluma

This is my own company, it allows me to facilitate business to business contracts. With this company I have primarily focused on working with clients to implement DevOps best practices. Using tools such as Docker, Terraform, Chef, Ansible, Jenkins, Kubernetes, and serverless technologies such as Firebase and AWS Lambda.

Site Reliability Engineer 2017-2018 SyncHR - Oakland

Migrating infrastructure from snow-flakes to cattle using Ansible, Chef, Packer, Docker, Terraform, Consul, and Hashicorp Vault. Heading towards immutable infrastructure in AWS from days-long provisioning in RackSpace and Hostway.

DevOps Engineer 2016-2017 ChartBoost - San Francisco

Built out Spinnaker infrastructure. Supported Puppet/Python deployment and provisioning processes by creating Base AMIs using custom Packer configs and Chef provisioning. Worked with Ansible, Chef, Elasticsearch, Kafka, ZooKeeper, and custom Python and Java. Worked side by side with Dev team to deploy application code to AWS, contributed core code for automating deployments and built custom monitoring infrastructure. Architected our entire deployment testing infrastructure using Terraform, Ansible, Jenkins, and other custom Python code.

Sr. Site Reliability Engineer 2015-2016 - AppDynamics - San Francisco

Production support, Monitoring, custom coding in Python, Ruby, and bash. Responsible for high-level architectural decisions. Automating the deployment and configuration of our multi-tiered service; tiers consisted of ZooKeeper, Kafka, Elasticsearch, and custom API/Indexer tiers. Migrated team to Chef from Ansible as this better supported our CI/CD Pipeline, using Packer to build images, Terraform to deploy, and Chef to put final environment specific configuration in place.

DevOps Engineer 2014-2015 RetailNEXT - San Jose

Worked with Ansible, Supervisor, Redis, MongoDB, and other frameworks to build a custom monitoring solution using MoogSoft as the central hub. Developed a fully automated provisioning system using Cobbler, Ansible, Redis, and custom Python code. I worked in depth with Ansible, creating custom callback scripts, dynamic inventory scripts, and custom modules. I also worked in depth with AWS, automating the setup of VPC's, elastic load balancing, user accounts, file management in S3, instance setup/teardown, and AMI creation. In order to be able to utilize our staff more efficiently, I voluntarily set up an internal Python Users group to help our new Python programmers come up to speed.

Engineer, Sr Staff - Systems - Integration 2014-2014 Broadcom - San Jose

Working with both IC Manage and Synchronicity environments, supporting EDA engineers. Provided custom Integration for Cadence Virtuoso with JIRA using the JIRA SOAP/REST API Created fully documented framework for converting CVS repositories to Perforce/ICM. This framework leverages the p4convert-cvs scripts; but, differs in that it retains all revision history, including comments and labels (applied to the correct revision), and allows converting the CVS repository to a new project on a pre-existing ICM server without any downtime. This framework also creates all required ICM objects (Projects/Variants/LibTypes/Libs). The reason for such a short tenure was because I finished all of my assignments for a year within a few months and grew bored. I like building cool stuff.