Jamie Starke

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I enjoy thinking big, planning for scalability, and looking at ways to harden systems against attacks. Infrastructure as Code and Deployment Automation help me achieve these quickly through consistent and predictable environments. Making infrastructure spending more efficient and increasing performance are challenges I find engaging.

TECHNOLOGIES

- Preference for and proficiency with *Terraform, Amazon Web Services (such as Lambda, S3, CloudFormation, CodeBuild, CodePipeline and more), Python, TypeScript, IntelliJ*.
- Competency with *Google Cloud Platform, Jenkins, Ansible, Visual Studio, Eclipse, Chef*.
- Interest in Cloud Architecture, Deployment, Automation and Security in Public Cloud Services.

RELEVANT EMPLOYMENT HISTORY

Senior Cloud Engineer — Workday — *October 2021– current*

- Designed and implemented an automated process for requesting, reviewing and provisioning Google Cloud Platform projects, with another senior developer; this reduced the weekly time spend on these tasks by 60%, equivalent to about 1 day per week.
- Worked with a several service teams across my organization to drive up our resource tagging coverage from under 30k resources tagged to over 325k of approximately 700k resources tagged in one month, achieving double our target coverage for a 3 month period.
- Designed and implemented the architecture for Workday's internal tool for analyzing public cloud cost, aggregating relevant information from over 20 different data sources spread across Amazon Web Services, Google Cloud Platform and Workday's private data center into a single unified data warehouse.

Software Dev. Engineer, DevOps — Workday — *January 2018 – October 2021*

- Promoted twice in role
- Led a project to improve the efficiency of regular weekly application deployments for services hosted on Amazon Elastic Container Service using an automated deployment pipeline.
- Active role in the migration of an application from multiple data centers to AWS, including planning the migration of databases and ensuring the proper connectivity from the data centers.
- Created a solution to allow easy peering and routing between VPCs with shared resources, using a lambda to accept peering connections from whitelisted AWS accounts, and add peered VPCs to route tables.
- Created a reusable Terraform module for managing an EC2 Container Service Cluster and ensuring zero downtime during instance modifications and replacements.

DevOps Engineer — Giftbit — *June 2016 – January 2018*

- Achieved a consistent Infrastructure as Code model for the infrastructure of the newer Lightrail product using CloudFormation. New resources and permissions would be deployed through the development, staging and production environments by performing a pull request which trigged a CodePipeline to consistently deploy and configure each environment.
- Created a fast and consistent way for developers to deploy service changes using deployment scripts, reducing deployment times for new functionality from hours to minutes.
- Devised and implemented new security protocols to ensure the security of application secrets.

Lead Full-Stack Developer — SilkStart — *May 2014 - May 2016*

- Built a consistent model of the servers using Chef recipes and configurations to automate setup, configuration and deployment of the infrastructure, enabling the easy replacement of servers in a matter of minutes. This also supported easily switching infrastructure providers.
- Transitioned the infrastructure from Linode to Amazon Web Services to take advantage of considerable service credits and gain access to advanced functionality.
- Developed a continuous integration pipeline using Jenkins, Docker, Packer and Chef to automate consistent testing and facilitate automated deployment to a staging environment.

EDUCATION

Master of Science in Computer Science from the University of Calgary