Aaron Lee

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OBJECTIVE

Currently employed as Lead DevOps Engineer at Wag Labs. Strong interest in Infrastructure Automation with the passion for DevOps practices.

EDUCATION

Towson University, *B.S. Information Technology*
May 2015

PROFESSIONAL EXPERIENCE

Wag Labs, *Lead DevOps Engineer*
September 2018 – Present

- Automate and manage AWS Infrastructure using the below tools/languages

  - VPC, Route53, EC2, ECS Container Services, RDS, S3, CloudWatch, Lambda, IAM, ALB, ASG, DynamoDB, API Gateway

  - Terraform, Packer, Ansible, Chamber, Docker, Gitlab CI, Github

  - Python (boto3 library) and Bash Scripting

- Report to the VP of Site Reliability and Data Engineering.

- Provide technical leadership and mentor a team of DevOps Engineers.

- Sprint planning and prioritizing DevOps backlog according to OKRs.

- Architect and design new infrastructure to scale as the business grows.

- Lead initiative of upgrading and scaling systems to improve availability, reliability and performance.

- Audit AWS costs and ensure spend is within budget.

- Maintain relationship with AWS Technical Account Manager.

Genius Sports, *DevOps Engineer*
January 2018 – September 2018

- Automate and manage AWS Infrastructure using the below tools/languages

  - EC2, ECS Container Services, CloudFormation, CloudWatch, Lambda

  - Docker, Gitlab, TICK Stack

  - Python and Bash Scripting

- Develop application auto scaling strategies using CloudWatch and CloudFormation

- Migrate all Smartstream microservices from data center to AWS

- Implemented monitoring solution via TICK stack using Terraform. Built gitlab-ci pipelines that propagate Grafana dashboards and Kapacitor alerts to all environments.

- Develop CI/CD jobs via Gitlab CI

- Story writing and Sprint planning for DevOps tasks

- Implemented Spot Instances to save costs in lower environments

SocialCode, *DevOps Engineer*
March 2017 – December 2017
- Automate and manage AWS Infrastructure using the below tools/languages

    - EC2, ECS Container Services, RDS, CloudFormation, CloudWatch, Lambda

    - Chef, Jenkins, Docker, Git

    - Python and Bash Scripting

- Migrated production systems from Classic to VPC environment such as our Jenkins infrastructure and multiple RDS instances.

- Wrote various Python scripts to automate repetitive tasks such as running diffs on CloudFormation templates and using Lambda to automate the process of creating custom CloudWatch Alarms.

- Researched and implemented OSSEC to our infrastructure using Chef for compliance purposes. Logs are then shipped to our ELK stack for further analysis.

- Setup an rsyslog server to collect logs from our Palo Alto devices. These logs are then shipped to our ELK stack for further analysis.

Videology, *Tech Ops Engineer*
September 2015 – March 2017
- Provide full-stack support for Videology's proprietary application. At a very high level, this includes troubleshooting issues with adserving, backend database discrepancies/issues, MSTR reporting issues, and front-end UI issues.
- Improve TechOps processes by developing diagnostic tools with languages such as Javascript (node.js) and Python (flask).
- Use DevOps tools such as Chef and Vagrant to manage TechOps Servers.

Torrential Systems, *Jr. Systems Administrator*
February 2015 – September 2015
- Provide technical support for all hardware/software related issues.

- Developed Powershell scripts to automate repetitive tasks in Office 365 and Active Directory.

- Introduced, installed and configured Racktables on Ubuntu VM using Hyper-V Manager. Manage all IT Infrastructure documentation through Racktables.

- Installed/racked Synology NAS Server in on premise data room. Configured RAID level 5 disk array and targeted all backups to the new NAS server using Symantec Backup Exec 14.

- Migrated User Isolated FTP server from Windows Server 2003 to Windows Server 2012 R2.

- Deploy various test environments using Hyper-V Manager for the Software Development team.

- Deployed PRTG Network Monitor to monitor all networking/server equipment at the datacenter and on premise.