Andy Boutté

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Experience

REAN Cloud

Senior Cloud Engineer • Jun, 2016 - Present

Architected and then lead an international DevOps team that built REAN's first product. Utilized standard DevOps tools including: Chef, CloudFormation, Terraform, git, and Jenkins to create a environment were we could collaborate and work towards our end goal. As the architect, product owner, and technical lead on the project I had to balance time between training resources on the team, unblocking resources on the current tasks, and planning for the coming sprints.

Key Accomplishments:

- Architect and Product Owner for RADAR product
- Built ELK deployment (single stack or tri stack) using Terraform and CloudFormation and Chef
- Automating Kibana dashboard import, index pattern creation, Logstash configuration file generation
- Custom Logstash plugins: logstash-input-s3zip, logstash-output-s3csv
- Enforced code quality utilizing GitHub webhooks, Jenkins pipeline, and GitHub status check API

Kibo Commerce

DevOps Engineer / Manager • Jun, 2014— Jun, 2016

Utilize infrastructure as code, configuration management, continuous integration and delivery to build resilient web application deployments. Responsible for uptime, maintenance, and deployment of production environment for 25+ applications. Participate in 24/7 on-call rotation to meet business SLAs. Continuously revisit processes to build on what has already been improved. Implement knowledge gained from working with the Quality Assurance team using load testing to pin point performance bottle necks.

Key Accomplishments:

- Created and managed CI / CD pipeline
- Converted team and processes from json based CloudFormation to Bazaarvoice's Ruby dsl based CloudFormation
- Multi-year project to migrate applications from colocation to AWS
- Implemented Facebook's open source memcached protocol router (mcrouter) to facilitate a hot migration of a memcache pool between data centers
- Designed development and QA testing environment in AWS
- Database driven cron implementation
- Enforced database schema verification at deploy time

Shopatron

Quality Assurance Engineer • Jun, 2013 - Jun, 2014

Oversaw the quality of Shopatron's integration toolset software development team which included several PHP and Java applications. Primary responsibilities included maintaining documentation and test case writing so future regression testing could be maintained by team members.

Key Accomplishments:

- Created documentation and test cases for several inherited projects that could be handed off to team members
- Provided technical assistance and documentation for testing environment setup
- Gained integral knowledge of Shopatron's order management platform that would prove to be instrumental in the migration to AWS

Projects

NTP Pool Project

NTP Server Operator

The NTP Pool Project is the largest organization of NTP servers in the world and is used by millions of system worldwide. To give back to the NTP Pool community I donate a server that is apart of the NTP Pool. I also created a turn key solution for deploying a NTP server in AWS.

Ghost Media Upload

Open source pipeline for upload media to Ghost blog

With the current version of Ghost it is not an easy task to upload images, and it is even more difficult to upload videos. With iPhones these days the size of video files is unfit for web streaming. This project streamlines the process using a pipeline for uploading images and video while also managing the video files using ffmpeg to make them fit for streaming.

Skills

AWS

For the last several years I have been working in AWS. Services that I use on a regular basis include:

- Auto Scaling Group
- CloudFormation
- CloudFormation
- CloudFront
- CloudWatch
- DynamoDB
- EC2
- ElastiCache

- Elastic Load Balancing
- IAM
- Lambda
- Launch Configuration
- Route53
- S3
- SQS
- VPC

Architecting Cloud Solutions

Design and build fault tolerant application deployments utilizing DevOps tools including Chef and CloudFormation.

Lifecycle Management of Deployments

Manage all aspects of production including: EC2, OS, web server software, VPNs, DNS, routing, security groups, ACLs

Colocation to AWS Migrations

Executed a multi year, zero downtime, migration from a colocation in AWS.

CI / CD

Created pipelines using Jenkins, bash, Ruby, Chef, GitHub

Management of production PCI environment

Migrated a production credit card processesing environment from colocation to AWS and facilitated PCI audit.

Mcrouter

Utilized FaceBooks's open source memcached protocol router to migrate a memcache pool from colocation to AWS with a fall back plan.

Linux Troubleshooting

Experience using Linux tools to diagnose network and performance issues including wireshark, tshark, nc, vmstat, slabtop, and strace, htop, iptraf

Certifications

AWS Solutions Architect – Associate

AWS-ASA-19216 • Aug, 01 2016 - Aug, 01 2018

AWS Certified SysOps Administrator - Associate

AWS-ASOA-5370 • Nov, 29 2016 - Nov, 29 2018

AWS Certified Solutions Architect - Professional

AWS-PSA-4007 • Mar, 16 2017 - Mar, 29 2019

Social Links

- **Github**: https://github.com/aboutte
- **LinkedIn**: https://www.linkedin.com/in/aboutte