Matthew Taylor

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ABOUT

A highly motivated Devops team member with great time management skills looking to leverage 16 years of experience to help a company efficiently operate in a private or public cloud at scale.

EXPERIENCE

Lead Cloud Automation Engineer, Cvent

August 2020 — Present ⏱ 4 years

Built tooling, infrastructure, and custom applications to empower our organization to run in an efficient, quick, and secure manner.

- Subject Matter Expert and Service Owner for the AWS Identity and Access Management (IAM) Service. Representing the team on the AWS Guild within the company.
- Created and enforced best practices and least priveledge guidelines within our company around AWS IAM.
- Mentored junior teamates who were newly started out their career.
- Built an automation to provision and validate AWS ACM certificates using a third party DNS provider.
- Worked on building and maintaining many automations around IAM, AWS Transit Gateway, AWS State Machines, and more.
- Worked on building and maintaining Jenkins based pipelines including the use of Jenkins Shared Libraries.
- Met and worked with vendors to discuss, trial, and use their solutions effectively.

- Created and held team training sessions on different subject matters.
- Mentored interns assigned to our group throughout their time at Cvent.
- Championed and lead a number of successful cross-team and internal projects.
- Participated in AWS Game Days, Immersion Days, and Service Deep Dives.

Manager of Software Engineering, Akiri

March 2020 — July 2020 ⏱ 5 months

Lead a team of Software Engineers through milestones and transitions while maintaining a high level of work throughput and quality.

- Worked with product owners and architects to define product requirements and organize priorities
- Communicated with the Engineering team to ensure the priorities were properly organized and work was completed
- Worked with the executive leadership to properly set milestones and reported on our progress
- Handled personnel transitions and promotions
- Ran regular one on one meetings with the team members

Software Engineer - Devops, Akiri

February 2017 — March 2020 ⏱ 3 years

Built tooling, infrastructure, and the code base from scratch focusing on efficient testing and updates while maintaining a secure environment.

- Build out the infrastructure footprint using Terraform, Python, and scripting to allow for quick deployment, testing, destruction, and updates
- Design, Built, and Maintained Akiri's Disaster Recovery Process
- Lead Akiri's AWS Security Posture
- Developed internal tools that developers use to build, test, and deploy code
- Used AWS services when needed to support our deployments. eg: ECS, Lambda, SQS, SSM, Secrets manager, KMS, etc
- Ensured our supporting infrastructure was up to date and available
- Added Slack bots to provide environment updates
- Supported our Staging and Production environments
- Managed our build infrastructure including Jenkins and github
- Built Jenkins pipelines to allow for automated PR tests and code-deploys to different environments
- Lead the Akiri HIPAA posture and ensured we were compliant
- Participated in feature design and security reviews
- Built tooling to build our gold AMIs and deployed them for testing nightly via Jenkins jobs
- Ran multiple Kubernetes clusters on EC2 nodes and managed upgrading and testing new versions

Senior Cloud Solutions Architect/Platform Analyst, Skillsoft

August 2015 — February 2017 ⏱ 2 years

Lead the first combined Development/Operations squad responsible for the creation and release of Skillsoft's latest product offering.

- Planning, designing, implementing, and supporting an Openshift based containerized microservice SaaS hosted in a hybrid cloud (In our datacenter and AWS) running on RedHat
- Maintained a container platform that is highly available and easily scalable, maintained, and upgraded while remaining online
- Document and diagram environment deployments and communication flow
- Write, maintain, and support Ansible playbooks to ensure standardized configuration and deployment
- Manage agile software deployments with Ansible and Ansible Tower
- Write and support Terraform scripts to manage our public cloud and CDN deployments
- Maintain our GitLab installation and ensure our infrastructure as code and other scripts are version controlled
- Experience with Akamai, Fastly, and custom-built content delivery networks
- Ran training sessions for other people in Operations on containers, Kubernetes, Openshift, and other aspects of a micro-service deployment
- Set up monitoring and log collection via Splunk, New Relic, CloudForms, Sentry, and more
- Experience in running Elasticsearch, Kafka, FluentD, Cassandra, Redis, RabbitMQ and more both on and off platform in a production environment

Hosting Application Engineer, Skillsoft

December 2011 — August 2015 🕒 4 years

Primarily responsible for the availability of our Content Delivery Network and our Platform.

- Worked primarily with our CDNs both custom-built in private and public clouds along with purchased CDN services
- Deployed software patches to our legacy product via a manual process
- Took steps to automate much of the manual patching process
- Handled the weekly content release process for new content
- Developed a set of scripts to automate a lot of the work
- Experience with Attunity data replication products for large enterprise data replication and file moves
- Worked a 24/7 on-call rotation and was an escalation point for after-hours outages

Hosting Support Specialist, Skillsoft

November 2007 — December 2011 🕒 4 years

Front line Operations support.

- Primarily responsible for ticket escalations from our technical support contact center
- Provisioned customer's online portals and customized them for the specific company
- Troubleshot issues and fixed them as needed which including writing SQL scripts, gathering performance metrics, and making OS resource adjustments as needed
- Monitored and resolved outages during normal working hours

🎓 EDUCATION

Network Design and Administration, Diploma

2005 — 2007 ⏱ 2 years

New Brunswick Community College

CCNA/CCNP

</> SKILLS

Infrastructure

AWS CDK   AWS Cloudformation   Docker   Kubernetes   Openshift   Packer   Terraform   Various AWS services   Vault

Programming

AWS-CLI   AWS-SDK (for Python)   Bash   Groovy   Python   SQL   Typescript

Developer Tools

Git   JIRA   Slack   Trello   VSCode

Build

Ansible   Gradle   Jenkins   Maven

Cloud Platforms

AWS   Azure

Operating Systems

Linux   MacOS   Windows

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