Megan Talley

DevOps Engineer

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TECHNOLOGIES

Source Control
Git, Bitbucket, GitHub

Build and Artifact Management
Maven, npm, Artifactory, SonarQube, Harbor

Continuous Integration/Continuous Delivery
Bamboo, Octopus Deploy, Jenkins

Languages
Java, Bash, Python

Containers and Orchestration
Docker, Kubernetes, Helm

Virtualization and OS
VMware, Windows, Ubuntu Linux

Cloud Services
AWS

Infrastructure Management
SaltStack, Terraform

CERTIFICATIONS

AWS Certified Cloud Practitioner, 2021

EDUCATION

Master of Science / Physics, 2015
University of Massachusetts, Amherst
Amherst, MA

Bachelor of Science / Applied Physics, 2013
Christopher Newport University
Newport News, VA

PROFILE

DevOps Engineer with 5 years of experience designing build, deployment, and infrastructure automation for on-premise and cloud-hosted architectures.

EXPERIENCE

***Senior DevOps Consultant**, Coveros, 2021 – present*

As a Senior DevOps Consultant with Coveros, I advise and assist clients in implementing and maintaining leading-edge technologies to provide highly available architecture for SAAS offerings.

- Architected and coordinated multiple Terraform projects to create and maintain AWS infrastructure and manage IAM policies
- Redressed stability and responsiveness issues in a cluster-based Harbor installation, and advised on methods to improve deployment to meet reliability requirements
- Assisted in the maintenance and triage of Kubernetes clusters

***Release and DevOps Engineer**, Exostar, 2016 – 2021*

As a Release and DevOps Engineer at Exostar, I was responsible for architecting, building, and maintaining Bamboo CI/CD pipelines for IAM platforms. I worked closely with the development team to identify and resolve build and deployment errors, and participated in prototyping, developing, and deploying Exostar's Kubernetes-based platform.

- Developed and taught SCM and artifact management best practices
- Architected fully automated cluster-based build and deployment pipelines that increased deployment throughput 300x
- Deployed and supported build tools such as Artifactory, SonarQube, Harbor, and Octopus Deploy
- Extended Bamboo's configuration-as-code by writing a source-controlled Java project to create, update, and maintain over two hundred Bamboo build and deployment plans
- Coordinated with the QA team to integrate automated regression tests into the deployment pipeline
- Migrated legacy software to Docker containers
- Participated in the architecture, development, deployment, and administration of a Kubernetes platform
- Architected container promotion through five Kubernetes clusters

***Research and Teaching Assistant**, University of Massachusetts Amherst, 2013 – 2015*

As a teaching and research assistant at the University of Massachusetts, I researched and taught complex scientific principles to a diverse audience.

- Collaborated with an international research team at CERN to perform large-scale data analysis
- Taught three levels of undergraduate physics labs