Megan Talley

DevOps Engineer
Springfield, VA

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TECHNOLOGIES

Source Control
Git, Bitbucket

Build Management
Maven, npm, Artifactory, SonarQube

Continuous Integration/Continuous Delivery
Bamboo, Octopus Deploy, Helm

Languages
Java, Bash, Python

Containers and Orchestration
Docker, Kubernetes, SaltStack

Virtualization and OS
VMware, Windows, Ubuntu Linux

Agile/Scrum Management
JIRA

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 4 years of experience working with cross-functional teams to create build, deployment, and testing pipelines using leading-edge technologies.

EXPERIENCE

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

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

- Developed and taught SCM and artifact management best practices to create traceable and reproducible builds and deployments
- Architected fully automated build and deployment pipelines in that increased deployment throughput by 3,000%, while eliminating thousands of hours of manual effort
- Proactively identified and redressed build and deployment bottlenecks
- Deployed and supported build tools such as Artifactory, SonarQube, 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 in to the deployment pipeline
- Migrated legacy software to Docker containers
- Participated in the architecture, development, deployment, and administration of a Kubernetes platform
- Eliminated the need for static build agents by executing builds and deployments in containers on a Kubernetes cluster, increasing build and deployment capacity by 1,000%
- Architected container promotion through Kubernetes clusters in five environments

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

As a teaching and research assistant at the University of Massachusetts, I researched and communicated 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 to both science and non-science majors