Desere Crawford

CONTACT

P: (817)-689-2383
E: deserecrawford1998@gmail.com
A: Dallas, TX
L: LinkedIn

EDUCATION

University of North Texas
Bachelors of Science in Computer Science
Denton, Texas

SKILLS

- **Containers:** Docker, Kubernetes, Helm
- **CI/CD Tools:** Jenkins, Gitlab CI/CD, GitHub Actions, SonaQube, Jacoco, Nexus, Artifactory, Maven, Jira, Azure Board
- **IAC tools:** Terraform, Ansible, AWS Cloudformation
- **Coding Languages:** C/C++, Java, Python, Bash, JSON, Groovy
- **SCM:** Github, Gitlab, Azure Git and Bitbucket, ClearCase.
- **Database:** Postgres, MySQL, SQL Server
- **Cloud Platforms:** AWS, Azure
- **Web applications/servers and Operating Systems:** Linux, Windows, Ubuntu, Redhat, CentOS, Nginx, Tomcat
- **Various:** MATLAB, Eclipse, Microsoft Visual Studio, NetBeans, PyCharm, Putty, GitKraken, GitBash

CERTIFICATIONS

- Hashicorp Terraform Associate

SUMMARY

Results-oriented DevOps Engineer with a comprehensive skill set in infrastructure management, CI/CD pipeline setup, and software development. Proficient in a range of tools such as Terraform, Docker, Kubernetes, Jenkins, and GitLab CI/CD. Strong communication skills and experience collaborating with cross-functional teams. Skilled in scripting and automation, ensuring efficient deployments and quality assurance. Adept at adapting to diverse technologies, databases, and cloud platforms. Committed to driving efficiency and delivering high-quality solutions.

WORK EXPERIENCE

GitHub
Infrastructure Engineer, Remote*, Aug 2022 - Current*

- Facilitated the complete deployment of software updates to GHES customers
- Utilized GitHub project boards and workflows to provided a centralized location on patch deployments
- Handled the approval of backports and pull requests to be merged into the master branches
- Wrote clear anf percise release notes concerning fixes that would be customer facing
- Ran GitHub Actions and workflows to automate the tests on backports to ensure quality
- Cordinated with various teams to provided efficient feedback and resources to maintain a smooth deployment
- Tested versions of releases on AWS EC2 Instances through chatops
- Used chatops in Slack to simplify some areas of the deployment process as well as provide others with the status of the deployment
- Provided feedback to team members in a clear manner concerning backports, updates to processes, and post-sprint reviews

Sandia National Lab
DevOps Engineer, Remote, *Jan 2022 - Aug 2022*

- Utilized Helm charts to simplify the deployment of resources into Kuberntetes environments.
- Assisted using Helm charts to perform upgrades on various applications such as Elasticsearch.
- Reworked Dockerfiles for optimizing building of images
- Wrote Gitlab CI/CD pipeline templates to be utilized in standardizing docker builds

- Learned and utilized company version of Azure stack to create and deploy webapps into production to be used as beta environments for our applications.
- Created python scripts to scrape data from various files that would be displayed for other engineers to streamline environment creation
- Wrote and maintained documentation for procedures of installs, upgrades, and new practices in company managed Confluence pages
- Stored and managed Terraform files in git repos to be used for various projects
- Utilized Terraform Enterprise to streamline the process of building environments as well as simplify process for other engineers to recreate the same process
- Maintained Elasticsearch instances for customer data to be displayed in a requested manner
- Utilized the ECK operator to simplify the install process for Elasticsearch into the Kubernetes clusters
- Managed and maintained Gitlab CI/CD pipelines to create zip files, store items into registries and trigger updates in the specified environments
- Used Jira and GitLab Issues to plan tasks for sprints and to work in an Agile environment

L3Harris Technologies
Devops Engineer, Greenville, Tx*, June 2020-Jan. 2022*

- Setting up CI/CD pipelines using integration tools such as Maven, SonarQube, Bitbucket, Docker, Nexus, and Slack for Microservices and effective immediate feedback to Dev team after code check-in
- Configuration of Webhooks in Bitbucket and Github to generate automated build in Jenkins
- Created Dockerfiles for programs to be used during demos to be integrated with Kubernetes
- Utilized Jira to promote the Agile process by writing stories and epics as well as utilizing the Kanban board
- Set up Git repositories and SSH keys for various projects for the Agile team to then be used for DevOps integration
- Integrated Gitlab into Jenkins to automate the teams testing environment
- Wrote Kubernetes YAML to run docker containers on hardware that were used as Kubernetes nodes
- Used bash and python scripting to execute commands for various programs
- Used bash commands to configure various networking settings that were required for projects
- Created Sonarqube's quality gates to check and fix bugs from source code
-

Northrop Grumman
DevOps Engineer, Remote*, June 2019- June 2020*

- Connected Bitbucket to Jenkins to be used for integration

- Utilized terraform and ansible to provision AWS instances to migrate monolithic applications
- Using of Kubernetes for scalability, interaction and monitoring of different containers
- Creation of Maven projects using POM files and ensuring all dependencies are built
- Automated IAAC using Terraform and Ansible
- Wrote Ansible playbooks from base level in YAML and also installation, configuration and troubleshooting Ansible
- Using Selenium IDE, Webdriver and Remote Control to perform functional testing
- Established a virtual Linux environment to run the system
- Worked in an Agile environment to assign user stories and complete milestones

Northrop Grumman

Software Engineer, Irving, Tx, May 2018- June 2019

- Wrote Dockerfiles for a program that was used to build docker images for demos
- Utilized Gitlab and Gitkraken to create branches based on user stories assigned as well as code reviewed, made merge requests, and rebased branches
- Developed a sorting algorithm for emitters in C++
- Adjusted various MATLAB scripts to achieve testing output to be human readable
- Collected data from ran software to investigate and present them in a meaningful manner to be discussed with a customer
- Maintained many systems by debugging and implementing new abilities
- Wrote code to make JSON formatted messages based on specified parameter then utilized JSON formatted messages to send to over UDP for communication
- Read and modied documentation of system