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**Mobile:** 214-430-1190

**DevOps Engineer**

# PROFFESIONAL SUMMARY

* Hands on experience in Configuration, Administration of **Jenkins** for continuous integration.
* Hands on experience in **Docker** Containerization tool and deployed applications using containers in various environments.
* Expertise in creating **Docker Images** and maintaining Docker Images in container registries.
* Experience in working with Kubernetes Container Orchestration tool to deploy & maintain containers.
* Experience in designing and deploying Experience in AWS services such as **EC2, ELB, Auto-Scaling, S3, IAM, VPC, RDS, DynamoDB, CloudTrail, CloudWatch, Lambda, SNS, SQS, CloudFormation, CloudFront.**
* Good Knowledge in writing **Docker files**.
* Hands on experience in writing **Terraform** scripts from scratch for building Dev, Staging, Prod and DR environments
* Hands on experience on Version Control System like **GitHub** and GitLab.
* Hands on experience in google cloud platform (**GCP**) services like **compute engine**, **cloud load balancing**, **cloud storage**, cloud SQL, stack driver monitoring, cloud **deployment manager** and **GKE**
* Helped developers whenever they get issues while using git commands.
* Expertise in using **Maven** build tool for the building of deployable artifacts such as war & ear from source code.
* Experience in integrating Unit Tests and Code Quality Analysis Tools **SonarQube** as per client requirement.
* Experience in using **Nexus Repository** Manager for Maven builds.
* Experience in Configuring and deploying to Application Servers like Tomcat.
* Administration/Maintenance experiences of Continuous Integration build engine Jenkins Deploying, configuring, managing, maintaining, a Master and Slave machines using Jenkins.
* Good knowledge in **Python** & **Shell scripting**.
* Expertise in trouble shooting the problems generated while build and deploy.
* Efficient in working closely with teams to ensure high quality and timely delivery of builds and releases.
* Good experience on source controller concepts like Branches, Merges and Tags.
* Working Knowledge of databases like **MySQL**, **RDS**, **DynamoDB**, and **MongoDB**
* Working experience in Ticketing tool **Jira**.
* Good experience in end to end building and Deploying and configuring process and implementation from Dev, **QA**

Environment to **UAT** and **Production**.

* Experienced on Bug tracking tools - **Confluence & Jira.**
* Good knowledge on Methodologies like **Agile** and **SDLC**.
* Good understanding of NETWORKING, TCP/IP, DNS and DHCP.
* Experience on monitoring tools using **Splunk, Stackdriver** and **Cavission**.

# WORK EXPERIENCE

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| **Company: CalabiTek DevOps Engineer** | **April 2019 – June 2019** |

## Roles and Responsibilities:

* Worked on google cloud platform (**GCP**) services like **compute engine**, **cloud load balancing**, cloud storage, **cloud SQL**, stack driver monitoring and cloud deployment manager.
* Written **Terraform** modules for infrastructure management in various cloud platforms
* Implemented Continuous Integration and continuous Delivery using **Jenkins.**
* Worked on AWS services such as **EC2, ELB, Auto-Scaling, S3, IAM, VPC, RDS, DynamoDB, CloudTrail, CloudWatch, Lambda, SNS, SQS, CloudFormation, CloudFront.**
* Created and deployed **Kubernetes pod** definitions, tags, labels, multi-pod container replication in **GKE**. Managed multiple Kubernetes pod containers scaling, and auto-scaling.
* Worked on installing, configuring and managing Docker Containers**, Docker Images** for Web Servers and Applications.
* Developed a continuous deployment pipeline using **shell scripts** in **Jenkins**.
* Created Docker images using a docker file, worked on Docker container snapshots, removing images and managing Docker volumes and also **virtualized servers** in Docker as per QA and Dev-environment requirements and configured automation using Docker containers.
* Worked with the development team to generate deployment profiles (jar, war, rar) using MAVEN Scripts and Jenkins.
* Orchestrated **CI/CD** processes by responding to **Git triggers**, human input, and dependency chains and environment setup.
* Configured the permissions and required access to all the **pub/sub topics** and **sinks** to push/write the data to **Stackdriver**.
* Containerized all the ticketing related applications - **Spring Boot** Java and NodeJS applications using **Docker**.
* Worked on provisioning and managed gcloud container clusters with **Ansible.**
* Worked on CI/CD process using **GIT**, **Nexus**, **Jenkins** job creation, **Maven** build and Create Docker image and use the docker image to deploy in **GKE clusters**.
* Integrated **SonarQube** for code reviews in CI/CD pipeline.
* Coordinated with the Offshore and Onshore teams for **Production Releases**.
* Responsible for handling tickets **(JIRA)** on development and testing team closely working with two teams.
* Implemented and maintained the monitoring and alerting of production and corporate servers/storage using

### stackdriver and Cavission.

* Worked on POC for **SPINNAKER** implementation in pre-prod environments.

**Environment:** GitHub, Maven, SonarQube, Docker, Google Kubernetes Engine, Python, Ansible, Stackdriver, Cavission, JIRA, Compute Engine, App Engine, Kubernetes Engine, Cloud SQL, Cloud Storage, Cloud Bigtable, BigQuery, Cloud IAM, VPC, Load Balancing, CDN, DNS, GCR, AWS

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| **Company: John Deere DevOps Engineer** | **July 2019 – Sep 2019** |

## Roles and Responsibilities:

• Setup projects in SonarQube which correspond to Bitbucket projects and provide Code quality analysis.

• Written Docker files and built docker images and pushing them into Container Registry

• Setup code coverage using Jacoco and SonarQube

• Written cloud build YAML files to automate CICD process using AWS Cloud Build

• Created and Provisioned Dev, QA, SIT, and PROD environments as per the requirements of each team.

• Setup monitoring and alerting in AWS using Cloud watch

• Developed CICD Pipelines using Groovy and Shell scripts in Jenkins

• Good Experience in using Nexus as Artifactory Repository for Maven builds.

• Worked on POC for Spinnaker and Flux CD to overcome the obstacles in automating the CD part of the CICD process

• Worked on creating dynamic routing/load balancing capability enabling large application auto-scaling, used ingress rules and Ingress Controllers - Nginx.

• Created and deployed Kubernetes Pod definitions, tags, labels, multi-pod container replication. Managed multiple Kubernetes pod containers scaling, and auto-scaling.

• Experience in writing Terraform Templates to spin resources like Cloud VPC’s, EKS clusters, and EC2 in Public and private subnets in AWS.

• Configured AWS Firewall rules in order to allow or deny traffic to and from the EC2 instances.

• Experience in implementing Deployment strategies like Blue/Green deployments, canary deployments using CD tools like   
 Spinnaker and Harness.

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| **Company: USAA DevOps Engineer** | **Oct 2019 – Present** |

## Roles and Responsibilities:

* Gather business requirements and breakdown into user stories and associated acceptance criteria.
* Analyze business use-case to understand business requirements.
* Estimate size of the stories based on impacted objects and dependencies associated production & release activities.
* Develop automation solutions leveraging bash scripts.
* Create and maintain **Blackbox**, **WMI**, **Node** exporters.
* Setup and maintain Prometheus, **Grafana**, **Alertmanager**, **Victoria metrics(TSDB**) applications.
* Create folder structure & persistent dashboards in **Grafana**.
* Designed alert email templates using Go language and alert rules using Promql.
* Wrote **Docker file** to build custom **Docker images** and push them to artifactory.
* Implement CI/CD Pipelines and initial code builds from repositories and deployment in **openshift**.
* Setup watcher on the ELK stack.
* Configure **Filebeat** to pull error logs and wrote Regex expression to apply filter in **logstash**.
* Create test plan based on user stories and acceptance criteria.
* Wrote and execute manual test cases in **qtest** to perform test validation.
* Co-coordinating with stakeholders on issues and resolved them.
* Evaluate code and configuration changes to ensure they are properly structured, valid, and is compatible with browser.
* Demo builds with stakeholders and team before production push.
* Create documentation in enterprise wiki associated to dashboards creation technical documentation and operator instruction.
* Create deployment checklist for production turn.
* Create and gather approval for Change Request before deploying code into the production environment.
* Perform post-production validation after prod turn to ensure all changes migrated successfully.

# EDUCATION

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| **Master’s in Computer Science**  Texas A&M University-Commerce, TX | 2017 -2018 |
| **Bachelor’s in Computer Science**  JNTU-Anantapur, India | 2009 -2013 |

**TECHNICAL SKILLS**

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| Containerization | : Docker, ECS |
| CI/CD | : Jenkins, Spinnaker, AWS codePipeline, GitlabCI |
| Cloud Platform | : AWS, GCP,Openshit |
| Build Tools | : Maven, Gradle |
| Source code Management | : Gitlab, GitHub |
| Monitoring Tools | : Splunk, Stackdriver, Cavission |
| Infrastructure as code | : Terraform |
| Orchestration | : Kubernetes, GKE, EKS |
| Scripting Languages | : Python, Groovy, Bash, Go |
| Code quality & Analysis | : SonarQube, checkmarx |
| Configuration Management | : Ansible |
| SDLC Methodologies | : Waterfall, Agile. |
| Other Tools | : Jira, Slack, Jfrog. Nexus |
| Operating System | : Linux, Mac, Windows |
| Databases | : MySQL, cloud SQL, MongoDB, DynamoDB, Amazon  Aurora. |
| Networking | : TCP/IP, DNS and DHCP, Firewalls |

# CERTIFICATIONS

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| **HashiCorp Certified Terraform Associate** | https://www.credly.com/badges/4c0fdd9c-36de-4cf3-b176-a3bc9d7b0f5c?source=linked\_in\_profile |