

# JESSICA CLAIRE

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## PROFESSIONAL SUMMARY

- Experience working on Monolithic and Microservices oriented architecture.
- Experience in creating, configuring and maintaining **Amazon EC2** instances.
- Experience working with version control systems like **Subversion, GIT, Bitbucket**.
- Implemented a **CI/CD** pipeline involving **Git, Jenkins, Chef, Docker, Nexus** and **Ansible** for complete automation from commit to deployment.
- Experience in using **Chef** as a configuration management tool to automate infrastructure provisioning by writing various chef recipes and cookbooks.
- Hands-on experience using **Maven** as build tool for building of deployable artifacts from source code.
- Experience working with **Load balancers** to route incoming traffic to number of downstream servers.
- Experience working with microservices by using **Docker**.
- Deployed various web-based applications using **Git and Jenkins** to **Apache Tomcat** and **JBoss** servers.
- Experience in Bug/Issue tracking tools like **HP Quality Center, Jira**.

## SKILLS

- **DevOps Tools:** Jenkins, Ant, Maven, Docker, Kubernetes, Grafana
- **Scripting Languages:** Python, Shell, Bash
- **Version Control Tools:** GitHub, BitBucket, Gitlab
- **Artifactory:** Nexus, JFrog
- **Methodologies:** Agile, Waterfall
- **Configuration Management Tools:** Chef, Ansible
- **Cloud Platforms:** Amazon Web Services, Google Cloud Platform
- **Databases:** MySQL
- **Operating Systems:** Red Hat Enterprise Linux, CentOS, Ubuntu, MacOS

## LINKEDIN ID

- <https://www.linkedin.com/in/jayadev-Claire-12b769107/>

## WORK HISTORY

### DevOps Engineer, 10/2020 - Current

#### Bae Systems – Fort Gordon, GA

- Managed Chef cookbooks implemented rules and templates in Chef for better environment management.
- Experience using Bash and Python scripts for day-to-day activities and automated various tasks.
- Responsible for automating CI/CD build pipelines via GitHub and Jenkins and setting up master and worker node by following DevOps practices.
- Developed Chef cookbooks for automatic provisioning and installation of various packages in SBX/Prod servers.
- Experience in writing various Docker files and built container images to create Docker containers for each environment and further pushed them to Amazon ECR for storage.
- Experienced in setting up Kubernetes dashboard and worked on creating pods, replica sets, services, deployments, health checks and ingress by writing YAML manifests.
- Involved in maintaining, managing and improving cloud infrastructure on AWS by creating EC2 instances, Auto Scaling Groups, IAM, VPC's, CloudFront.
- Experience in preparing and maintaining documentation for changes build and release management process and also sharing the Root cause analysis with the team in case of P1 issues.
- Technologies Used: AWS, GitHub, Maven, Jenkins, Docker, Kubernetes, Chef.

### Release Engineer, 02/2018 - 10/2020

#### Zoom – AZ, State

- Planned and executed the SAAS releases to all the SBX and PROD customer instances hosted across multiple regions.
- Used Jenkins as the build server and integrated it with GitHub for daily CI activities.
- Experience in using RightScale as a Cloud Management service and created various deployments and Linux servers where the customer instances are hosted.
- Used Grafana dashboard actively as a monitoring tool to check the load on deployments for an efficient unerring release.
- Experience in using AWS services like EC2, S3, SES, IAM, CloudFront, CloudWatch, RDS for instance managements, backup storages, email service, access management, CDN and logging respectively.
- Responsible for troubleshooting various issues in the Linux systems for various deployments.
- Experience in using Docker in a Linux environment for delivering the application into various environments.
- Worked on supporting the SRE related activities for troubleshooting server/deployment issues across multiple regions.
- Managed all the releases using an internal tool Control-Next which acts as a dashboard to track the progress on the releases.
- Worked in migrating the customer instances to updated MySQL deployments upon the dependency of ES stack.
- Experience in using Application Load balancers with a good knowledge of traffic patterns, usage of dependency services, security, load, responsiveness and durability in the event of failure and route them to downstream servers.
- Experience in writing documentation for runbooks on new release strategies and various major incidents occurred as part of releases.
- Experience in using Rundeck for upgrading microservices as part of on-going SAAS releases.
- Primary contact for all standard and off cycle enterprise releases throughout the entire organization.
- Communicated and collaborated with the CVM team and the customer support for release related queries and rollbacked the SBX/PROD instances to the previous version in case of any issue.
- Worked closely with the development team to integrate new deployment processes and strategies to meet our feature requirements.
- Directly reports all the daily release activities to the Senior Manager in the Release Management and further discusses the root cause of the escalation failures with the SRE team.
- Technologies Used: AWS, Github, Maven, Jenkins, RightScale, Rundeck, Docker, Chef.

### DevOps Engineer, 06/2017 - 02/2018

#### Bae Systems – Manassas, VA

- Implemented the CI/CD pipeline cycle for multiple teams from scratch in all environments.
- Experience on using Bitbucket with Admin privileges and created various repositories to integrate them with Jenkins.
- Experience in setting up Jenkins jobs for the respective projects and completely involved in the build process.
- Experience in using pipeline jobs in Jenkins for various projects.
- Monitored the overall build process and responsible for maintaining the code coverage results in SonarQube dashboard.
- Experience in using Jfrog and Nexus repository in CI pipeline for pushing the build artifacts for future process.
- Experience in pushing the Docker images from Jenkins to Nexus and maintaining the various versions of it.
- Worked closely with the development team for resolving the issues occurred due to the build process.
- Experience in using Docker compose files for the communication between multiple containers.
- Knowledge on implementing the blue/green deployment techniques using Docker and Kubernetes for zero down time achievement.
- Written Ansible scripts for picking up the Docker images and deploying them onto the target server.
- Experience in using SQL server for maintaining, pulling or inserts records into the database.
- Technologies Used: Stash/Bitbucket, Maven, Jenkins, Docker, Kubernetes, Ansible, MYSQL Workbench.

## EDUCATION

### Master's: Computer Science

#### University of Central Missouri - Kansas City, Missouri

GPA: 3.4/4.0

### Bachelors: Electronics and Communication Engineering

#### JNTU - Hyderabad

GPA: 3.0/4.0