

# JESSICA CLAIRE

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## Summary

DevOps Engineer Cloud professional with 6+ years of experience in various roles as Cloud / DevOps / Production Support / Build and Release engineer with top-notch experience in automating, configuring and implementing services on cloud environments and data centers. Experienced in CI/CD tools, namely Jenkins, Docker, Kubernetes Azure DevOps Services as well as Linux/Windows Administration and in configuration management and infrastructure as a code tool, namely, Ansible, and Terraform. Extremely passionate about Cloud computing and its future with extensive experience on Microsoft Azure Cloud.

## Education

**Bachelor of Science:** Computer Science, 05/2016

Leeds Beckett University - West Yorkshire, England

## Skills

- **Cloud Technologies:** Microsoft Azure Cloud, Amazon Web Services (AWS)
- **Scripting:** Bash, PowerShell, YAML, Python, HCL, Groovy
- **Source Control Tools:** GitHub, Atlassian Bitbucket, Azure Repos, AWS Code Commit
- **CI/CD Tools:** Jenkins, CircleCi, Bamboo, Azure DevOps Pipelines, AWS CodePipeline
- **Artifact Repository Management Tools:** Nexus, Azure DevOps Artifacts, AWS CodeArtifact, JFrog
- **Automation Tools:** Maven, MSBuild, Gradle, ANT, Ansible, Chef, Terraform, Kickstart, Kubernetes
- **Containerization/Orchestration Tools:** Docker, and Kubernetes

- **Monitoring Tools:** Azure Monitor, Azure Application Insights, and Log Analytics Workspace, Splunk, Prometheus, Salesforce, Grafana, CloudTrail, Dynatrace
- **Operating Systems:** Linux (RHEL, CentOS, Ubuntu), and Windows (XP/7/8/10/11/2016 Datacenter/2019 server), MacOS: 10.8 Lion - 10.15 Catalina, 11 Big Sur

- **Web Servers:** Nginx, Apache, Tomcat, WebSphere, JBoss, NodeJS

- **Middleware Technologies:** Apache Tomcat, Jboss/ Wildfly, and WebLogic

- **Databases:** MS SQL Server, Oracle 12c/19c, Postgresql, Cosmos DB, MongoDB, DB2

- **Networking Protocol:** TCP/IP, VPC, FTP/SFTP, SMTP, HTTP/ HTTPS, NDS, DHCP, NFS, WAN

- **Bug Tracking Tools:** Rally, Jira, and Azure Boards

## Experience

**DevOps Engineer**, 10/2020 to Current

Radius Ai – Chattanooga, TN

- Experienced in migrating three applications from on-prem to Azure Cloud
- Participated with the dev team as well as architects' team to identify necessary Azure resources and automate their provisioning
- Setup a POC Oracle 19c database in Azure VMs for potential migration of one of the applications from on-prem to Azure Cloud
- Created and set up Postgres DB in Azure Cloud
- Automated the monthly golden image upgrade process for two of the applications across all its environments
- Partnering as an administrator on Microsoft Azure and part of the DevOps Team for internal projects automation and build configuration management
- Involved in configuring virtual machines, storage accounts, and other Azure resources
- Provisioned servers through Terraform configuration files
- Experienced in writing Terraform files and reusable modules to setup cloud Resources
- Developed YAML Scripts for Azure Pipeline automation purposes
- Provisioned custom images for application and web servers using Packer and Azure DevOps Pipelines
- Responsible for build and deployment (CI/CD) of 10 microservices and 24 Java applications into Kubernetes, WebLogic and Jboss application servers
- Used Jenkins to drive all Microservices builds out to the Docker Central, then continuous deployment to Kubernetes pods using Ansible for creating/ updating pods, config Maps, deployments
- Responsible for documenting deployment plans and change release plans for changes going to Production environments
- Created and managed Azure Container Registry to store private Docker Images, which are deployed using Azure Pipelines to automate deployments
- Created Docker Images using a Docker file
- Worked on Docker container snapshots, removing images and managing Docker Volumes and was experienced with the Docker central repository
- Worked with development team and key stakeholders to create plan for monitoring Azure and On-Prem Resources
- Utilized Azure Monitor to collect metrics and logs
- Configured Monitor to track performance and maintain security
- Used Kibana and Grafana for monitoring and logging with Kubernetes on the on-prem side
- Responsible for mitigating cloud inspect, software and configuration vulnerabilities across three applications hosted in Azure Cloud
- Responsible for mitigating and documenting device and application vulnerabilities across four On-Prem applications
- Utilized Azure Boards as a ticket tracking and workflow tool.

**DevOps Engineer**, 02/2018 to 09/2020

Radius Ai – City, State

- Managed Amazon Web Services not limited to IAM, EC2, S3, RDS, EBS, VPC, ELB, Cloud Watch, SNS
- Used IAM to create new accounts, roles, and groups
- Deployed and configured different types of EC2 instances
- Created S3 buckets and maintained and utilized the policy management of S3 buckets and Glacier for storage and backup on AWS
- Implemented and maintained the monitoring and alerting of production and corporate servers/storage using AWS CloudWatch
- Configure, monitor, and automate Amazon Web Services as well as being involved in deploying the content cloud platform on Amazon Web Services using EC2, S3, and EBS
- Worked on the real time data using Amazon Kinesis stream and triggered with AWS Lambda
- Created monitors, alarms, and notifications for EC2 hosts using CloudWatch
- Patching environments with the latest updates of OS on the servers to keep the servers healthy
- Involved in an automation project, to move the manual deployments to automation using AWS CLI
- Developed Terraform templates to create load balancers (ELB), EC2 instances with auto scaling, monitoring on the fly for different environments such as QA, SIT, stage which will run on different VPCs
- Developed Terraform modules for automating the provisioning of the AWS infrastructure
- Integrated defect tracking tool JIRA with Jenkins CI server for identifying, logging, tracking & documenting defects/issues in real-time
- Worked on Setting up Chef Server/Workstation and Bootstrapping Nodes
- Provisioned the highly available EC2 Instances using Terraform and cloud formation and wrote new plugins to support new functionality in Terraform
- Created Jenkins job to build the Artifacts using maven, deploy the Terraform templates to create the stack
- Worked on Kubernetes to manage containerized applications using its nodes, Config Maps, selector services and deployed application containers as Pods
- Managed Clusters using Kubernetes and worked on creating pods, replication controllers, services, deployments, labels, and health checks
- Designed and worked with the team to implement ELK (elastic search, log stash, and Kibana) Stack on AWS
- Developed Python scripts for automating the generation of weekly reports.

**Net Developer**, 04/2016 to 01/2018

Cognizant Technology Solutions – City, State

- Collaborate with project development team and business team during the development lifecycle
- Involved in the System Analysis, Functional specification documents and used ASP.NET, C#, JavaScript and jQuery to design and develop the site and web based solutions
- Prepared design and installation documents for the system and worked on the process improvement of core modules/ functionalities to make process more effective
- Developed MVC pages, Layout pages, user controls, WCF, Web APIs, and DLLs using ASP.NET and jQuery
- Used third party components ABCPDF for handling various I9 Form data collection requirement
- Involved in development of data access, business and application layer using LINQ, C#.NET and Asp.NET
- Designed, developed and enhanced the application in .Net Framework
- Participated in writing complex SQL Statements, Views and Stored Procedures, Indexes to validate data and ensure system integrity and security written LINQ functions for data access
- Version controlled by using Microsoft TFS and handled the release management for the project in different environments
- Involved in the code reviews, test case reviews and gave feedback on various design aspects and implemented and tested the security features at the application/services/database part
- Involved in Unit Testing, Documentation, Support for entire application, documented the User Manual | Page