Jad Jabary

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# Summary

Self-motivated and detail-oriented IT professional with 4 years of IT experience including DevOps as Cloud Engineer (AWS), DevOps Engineer, Build and Release Engineer in solving complex problems with creative solutions, supporting development and deployment operations in different environments.

**Master’s of Science, Engineering** *May 2024 University of Texas at Dallas – Richardson, Texas* ***G.P.A: 3.56***

**Bachelor of Science, Engineering** *May 2019 University of Texas at Dallas – Richardson, Texas* ***G.P.A: 3.61***

**TECHNICAL SKILLS:**

**Cloud Computing**: AWS, Microsoft Azure, DigitalOcean

**Provisioning Tools:** Terraform, Terragrunt

**Languages**: Java, Python, C++

**Scripting Languages**: Python, Bash

**Build Tools:** Maven, Gradle

**Web Technologies:** HTML, XML

**CI-CD Tools:** Jenkins, GitLab

**Bug Tracking Tools**: Asana

**Monitoring Tools**: CloudWatch

**Operating Systems**: CentOS, Ubuntu, Windows, Mac

**Version Control Tools:** Git, GitHub, GitLab, Fork, GitKraken

**Virtualization/Container:** Docker, Kubernetes, Elastic Container Service

# Experience

## Cardinal Financial - Remote, Texas

*DevOps Engineer June 2020-Present*

* Heavy hands-on experience using Terraform and Terragrunt with AWS to create company requested infrastructure, configuration management, and deployments.
* Heavy hands-on experience in Branching, Merging, Tagging and maintaining the versions across the environments using SCM tools like, GIT, Fork, and GitKraken.
* Hands-on experience using docker to create images, containerization, as well as taking down and fire up databases for QA deployments.
* Used Jenkins to perform prod database migration to Aurora DB, and Weekly QA deployments.
* Performed regression testing to ensure all environments are compliant with company standards once QA deployments were complete.
* Good exposure and knowledge to AWS services such as IAM, EC2, S3, VPC, Lambda, CloudWatch, Elasticsearch, RDS, EFS, EBS and many more.

## Cognizant - Irving, Texas

*DevOps Engineer November 2019-June 2020*

* Executed client inquiries in an agile environment.
* Hands on experience containerizing the integration process by GitLab CI with docker by developing scripts to automate visualization.
* Coherently assembled software automation tools in YAML files to dynamically test and deploy applications.
* Configured server images, optimized the task performance in correspondence with project management.
* Configured Kubernetes cluster, exposed ports, orchestrated deployments, scaling and management of docker containers in EC2 instance.

## USM System - Frisco, Texas

*DevOps Engineer August 2019-November 2019*

* Implementing concepts of Continuous integration Continuous delivery and assembling pipelines using Jenkins and Azure DevOps.
* Building and deploying Docker containers as well as modified Docker containers using Docker images from the Docker registry.
* Hands on experience with Version control system Git using command line Git commands.
* Exposed to virtual machines, containers, Kubernetes and microservices.
* Automated Continuous Integration and deployment using Maven, and Gradle.

## The Realtime Group - Plano, Texas

*Validation and Verification Engineer December 2018-August 2019*

* Analyze and resolve conflicts related to merging of source code for Git. Develop and execute automation test scripts.
* Assist developers in debugging customer issues.
* Gathering and analyzing test metrics and developing improvement plans.
* Performing majority of tasks in an efficient manner with no assistance from the supervisor.

## eCollin Learning Center, Collin College - Plano, Texas

*Lab Assistant December 2016-December 2018*

* Used the version control system GIT to access the repositories and used in coordinating with CI tools
* Exposed to JIRA for issue tracking, bugs, and project management
* Built and Developed scripts using Maven and Gradle as build tools in Jenkins to move from one environment to other environments.
* Exposure to Configuration Management policies and practices with regards to SDLC; along with automation of scripting using BASH/Shell scripting.
* Exposed to Bash and shell scripts for automation of the build and release process, developed Custom Scripts to monitor repositories, Server storage.
* Light Experience in writing shell/bash scripts to automate the administrative tasks using Cron jobs and managing them in the repository using GIT.

# Certificates

**IBM Badge -** Big Data Foundations Level 1 *May 2019*

# Projects

**QRM Cost Report Pipeline, Cardinal Financial** *November 2020-December 2020*

* Utilized Terraform to construct pipeline to send AWS QRM cost reports to Capital Markets team.
* Created IAM role to allow Lambda to communicate with CloudWatch Logs, EventBridge, SES and Cost Explorer.
* Imported python datetime and Boto3 library to access Cost Explorer client and to calculate results by time.
* Created a Python function to filter data by account organization tag and extracted the data by cost explorer’s Metrics, UnblendedCost and Amount.
* Created python class to extract recipients emails from a JSON file as well as format the SES email message via HTML.
* Executed the Lambda function via Cron job in UTC time using EventBridge from Terraform.

**Terraform AWS ElasticSearch Setup, Cardinal Financial** *October 2020-November 2020*

* Configured data nodes and ultrawarm data nodes to increase storage by calculating the Long-lived index and rolling indices of the company data.
* Configured the VPC, subnet, and security group to place the Elasticsearch cluster into the VPC.
* Attached a service linked role to the Elasticsearch domain to allow it to perform specific actions with the compute nodes.
* Configured Logstash with ECS to send data into the cluster.
* Setup SAML authentication for Kibana to increase security.

**Bastion SSO Account Setup, Cardinal Financial** *September 2020-October 2020*

* Integrated AWS single sign-on access (SSO) to centrally manage AWS company accounts using Terraform.
* Created IAM role giving least privilege and read only access to employees in the dev-tier-1 account to view the AWS organization account services.
* Configured AWS vault and MFA yubikey to securely administer into the account.

**PagerDuty System Integration, Cardinal Financial** *July 2020-August 2020*

* Setup PagerDuty notification System for all employees in the IT department using Terraform.
* Configured PagerDuty token with Terraform/Terragrunt.
* Setup employee on-call schedule, escalation policies, and ruleset rules to route events based off of employee availability and experience.
* Configured SOPs YAML file to securely encrypt employee phone numbers and parsed the phone numbers to PagerDuty via Terraform.
* Integrated PagerDuty with team RingCentral webhook channel.

**Containerized PrinceXML, Cardinal Financial** *June 2020-July 2020*

* Setup HomeBrew Docker to containerize and test applications in an isolated environment.
* Created a dockerfile with a base centos 7 image to dockerize PrinceXML.
* Installed PrinceXML’s color and font libraries into the dockerfile.
* Installed and extracted the PrinceXML Zipfile from the Prince website into the dockerfile.
* Spun up the dockerfile through a docker-compose YAML file building the image and turning the image into a container.
* Tested the container by sending an XML file into the standard input of the container, thus converting XML code into HTML and converting HTML to PDF.

**Cognizant Web Application - Irving, Texas** *January 2019-March 2019*

* Utilized Gitlab for version controlling and automation.
* Configured Gitlab Runner with AWS EC2 instance,
* Configured SonarQube with Gitlab for continuous inspection of code quality.
* Developed scrips in Gitlab to build Spring Boot and Nodejs applications.
* Automated the Containerization of Nodejs and Java Spring Boot applications using docker and GitLab.

**S3 Data Pipeline, Self-Project - Allen, Texas** *November 2019*

* Configured Jenkins with docker and sql.
* Data extraction in SQL using docker.
* Configured AWS S3 instance for data storage.
* Used Jenkins to customize and automate pipeline.
* Dynamically update objects in S3.

# Leadership and Volunteering

* *Founding Officer, VP - Honor Society -National Society of Collegiate Scholars*
* *Active Member - Honor Society - Phi Theta Kappa*
* *Founding Officer, VP - Collin Computer Club*

# Languages

* Proficient in English and Arabic

# References

* Available upon request