**Mariana Rosas**

**Certified DevOps Engineer**

**PROFESSIONAL SUMMARY**:

With over 10+ years in the IT field, particularly 5 years as DevOps Engineer, Mariana possess a expertise in tasks such as the automation, construction, and deployment of code across diverse environments. Proficiency in AWS, DevOps Methodologies, Build/Release Management, Cloud Management, and Containerization further adds to her capabilities.

Hands-on experience extends to version control tools such as GIT and source control platforms like GitHub and GitLab. With a robust understanding of branch strategies, I seamlessly operate across different Linux platforms. Mariana has driven end-to-end workflows for Continuous Integration, Continuous Delivery, and Continuous Deployment (CI/CD) within organizations.

One of her notable achievements includes the effective setup of AWS instances (EC2), ensuring the seamless deployment of applications to QA teams for rigorous performance and regression testing. This encompasses a comprehensive consideration of resource aspects such as Instance types, dedicated hosts, volumes, AMIs, key pairs, Elastic IPs, Security groups, and Instance roles. Moreover, she proficiently has handled Load balancers and Autoscaling groups, constructing systems that are both cost-effective and highly resilient.

Her competence in working with AWS is demonstrated through the comprehensive grasp of key services, including EC2, S3, Lambda, IAM, CloudFormation, KMS, SQS, SNS, Kinesis, Firehose, Codebuild, API Gateway, MSK, and DynamoDB. My practical experience extends to Docker technologies, encompassing Docker images, Docker Hub, Docker registries, Elastic Container Registry, and Elastic Container Service from AWS. Additionally, successfully incorporating Kubernetes to establish a production-ready, load-balanced, highly available, and fault-tolerant micro services infrastructure.

Mariana is adept at enhancing and maintaining build and configuration management tools like Ansible, facilitating automated infrastructure and application provisioning, ensuring a fluid process of continuous integration. She is extensively familiar with tools such as Jenkins, GitHub Actions, and Azure DevOps Server, employing them to orchestrate and automate the building, testing, and deployment of software applications.

Proficiency in Terraform and CloudFormation enabled her to deploy cloud infrastructure with AWS as the Cloud Provider, ensuring consistency and repeatability. Furthermore, exceling in working with monitoring tools such as Dynatrace, Nagios, and AWS CloudWatch to maintain a vigilant watch over the production environment. Have extensive knowledge on Pyspark to process and analyze the Data.

Mariana’s abilities extend beyond technical expertise; She possess exceptional interpersonal skills that allow her to build robust client relationships. She is determined to accomplish tasks with clarity and precision, maintaining effective communication across various levels of management and client stakeholders, her previous roles also involve the operational coordination of software releases, guaranteeing the seamless deployment of new features and updates, facing incidents and outages, she is capable of responding promptly, employing advanced troubleshooting skills to identify root causes and implement effective solutions.

**TECHNICAL SKILLS:**

* Version Tools: GitHub, GitLab.
* Build Tools: Maven
* Configuration Management Tools: Ansible.
* Web Servers: Apache, Nginx
* Monitoring Tools: Splunk, CloudWatch, Dynatrace, Nagios.
* Ticketing Tools: JIRA, Service Now
* Continuous Integration Tools: Jenkins, GitHub Actions, Azure DevOps
* Operating System: Linux, Centos
* Containerization Tools: Docker, Kubernetes.
* Cloud Technologies: AWS
* Infrastructure as Code: Terraform. CloudFormation
* Programming Languages: Python, PySpark

**CERTIFICATIONS:**

* AWS Certified Solutions Architect – Associate

**LANGUAGES:**

* Spanish (Native)
* English

**PROFESSIONAL EXPERIENCE:**

**Client:** Globant, Atlanta, GA, US Sep 2021 – Present

**Role:** Cloud/DevOps Engineer

**Responsibilities:**

* As a DevOps engineer, I have led a variety of critical tasks for the company. These include work with different AWS Services, including SQS, AWS Cli, ECR, EC2, Lambda, CloudFormation. The implementation of solutions has enabled the projects to operate more efficiently.
* I have supported activities related to the creation of a custom agent for running Machine Learning jobs, in on-premises servers using Docker mainly, combining its functionality with AWS Services taking advantage of the GPU(NVIDIA) available in the servers. This has allowed to the company to further automate and optimize its software development processes.
* Also, I have led the deployment of infrastructure through the implementation of the practice Infrastructure as Code (IaC) tool such as Terraform (with workspaces) and CloudFormation. Specifically, the integration of Kinesis Data Streams and Firehose for the delivery of data to S3 to be used by Snowflake. This has improved the consistency and stability of development and production environments.
* One of her most notable projects was leading the solution of AWS Security Hub incidents by implementing Cloud Custodian and Terraform to solve issues related to infrastructure.
* Thanks to the knowledge and ability to work with these technologies, I was able to quickly identify and resolve cloud security issues, which helped protect the company's critical infrastructure and ensure business continuity.
* Additionally working as part of the Cloud Team, supporting the development team provisioning pipelines for deploying code with CI/CD flows in GitHub Action and Azure DevOps.
* Worked in documentation of the projects on confluence.
* Tracking of the assigned tasks and deliverables using Agile methodology.

**Environment**: AWS Cloud, Linux servers, Jenkins, JFrog Artifactory, GitHub, GitHub Actions, Docker, Java, Python, Microservices, Terraform, Shell Scripting, Ansible, Python, Maven, Kubernetes, Amazon ECS, CentOS, JIRA, CloudWatch, AWS CloudFormation, Service Now, Jenkins, Pyspark, Azure DevOps.

**Client:** Accenture, Mexico City, Mexico. Feb 2018 – Sep 2021

**Role:** DevOps Engineer

**Responsibilities:**

* Migration from running JVMs on VMs to work with containers using Docker.
* Management and the implementation of DevOps practices for supporting the development team, enabling, and maintaining CI/CD pipelines in Jenkins, with Maven for the building of the source code and creation of Docker Images for running containers in an infrastructure based on microservices.
* Support for the resolution of incidents raised via ServiceNow about the production environment, working collaboratively with the Database team, Development team, Quality Assurance and Operations to comply with the service level agreement of the platform.
* Work with the Infrastructure team for the creation of scripts and jobs for automation of repetitive tasks dedicated to maintaining the VMS dedicated to non-productive environments.
* Support for the release to Production of updates in the software.
* With her expertise in tools like Jenkins, Git, Docker, and Ansible, she was able to design and implement efficient and automated deployment pipelines that allowed for continuous delivery of software.
* Support to the Operations team in addressing critical incidents and outrages affecting the Production environment, in a practice called “War Room” helping to minimize downtime and ensure business continuity, this include analysis of logs of the microservices, the web server, etc.
* Implementation of monitoring tools (Nagios) and monitoring of the platform (Dynatrace).
* Collaboration in cybersecurity audits for following the banking regulations in Mexico.
* Work in the migration of the infrastructure from on-premises to AWS Cloud, deploying the infrastructure using Terraform (with modules) and Code build.
* Creation of AMIs with the required software for compliance using Packer.
* Tracking of the assigned tasks and deliverables using Agile methodology.

**Environment**: AWS, Java, Shell Scripting, Jenkins, SonarQube, GitLab, GitHub, Docker, Packer, Terraform, Service Now, JIRA, EC2, ALB, ASG, API Gateway, Lambda, KMS, IAM, Pyspark,Networking on AWS (VPC, Subnets, ACL, SG).

**Client:** Density Labs, Querétaro, Mexico Aug 2013 - Feb 2018

**Role:** Infrastructure Engineer Jr

**Responsibilities:**

* Monitor, analyze, and optimize system performance, availability, and latency to ensure that applications meet reliability and performance targets.
* Minor maintenance to servers such as purge disk space and updates.
* Resolution of incidents reported via ServiceNow, respond to, and resolve incidents, outages, and other service disruptions in a timely manner, utilizing incident management processes and troubleshooting techniques.
* Analyses and modifications of scripts for repetitive tasks.
* Implement security best practices and ensure compliance with industry standards and regulations in collaboration with security teams.
* Participation in on-call rotations to provide 24/7 support and respond to incidents outside of regular working hours.
* Maintain clear and comprehensive documentation of system architecture, processes, and operational procedures.

**Environment**: AWS, Linux Servers, Shell Scripting

**EDUCATIONAL BACKGROUND:**

* Bachelor of degree in Electronics Engineering from Instituto Tecnologico de Orizaba, México, 2013