Dimitri Acosta

Senior AWS DevOps Engineer

# PROFESSIONAL SUMMARY:

* IT Professional around 10+ years of overall experience in the IT industry comprising Linux system administration, DevOps engineering, shell scripting, building, releasing code from one environment to another and deploying to servers.
* 6+ years of DevOps methodology experience which includes CI/CD, monitoring, cloud computing, microservices and containers overall knowledge.
* 6+ years of DevOps of experience in DevOps tools such as Jenkins, GitLab CI, Docker, Kubernetes, Apache Maven, Git / GitHub, Vagrant, Terraform, Pager Duty, AWS Cloud Computing.
* Providing, configuring and maintaining infrastructure in different cloud vendors.
* Wide experience in containerization, build/release management and cloud management.
* Extensive experience with version control tools like Git/GitHub on cross platforms like Linux, macOS and Windows operative systems.
* Strong knowledge on source control concepts like branches, merges, tags, etc.
* Strong knowledge on source control methodologies like git-flow.
* Created AWS instances and deployed applications and deliver for QA following the release management methodology.
* Worked with VMs with AWS EC2.
* Hands on experience in AWS provisioning and good knowledge of AWS services like EC2, S3, RDS, VPC, Route 53.
* Experience with Docker engine as well as some other concepts related like Docker Hub or Docker Registries.
* Experience with container orchestration using services like Docker Compose, Docker Swarm and Kubernetes.
* Knowledge on how to create Docker images by building a Dockerfile.
* Docker has been very important in my day to day for my career, so I feel very comfortable with this tool.
* Good Knowledge on Pyspark.
* Good experience with Jenkins as my main CI/CD tool.
* Extensive experience on source control tools and services like GitHub, BitBucket, GitLab.

# TECHNICAL SKILL:

* Source Control Management (SCM): Git, GitHub, BitBucket, GitLab.
* Build Tools: Maven.
* Web Servers: Nginx, Apache.
* Ticketing Tools: Jira, ServiceNow.
* Continuous Integration: Jenkins.
* Operative Systems: Linux, macOS, Windows.
* Containerization Tools: Docker, Kubernetes.
* Cloud Technologies: AWS services such as EC2, S2, VPC, CloudWatch, RDS, Route 53, IAM, GCP.
* Programming Languages: Python, PHP, Shell, Pyspark, SQL, HTML, Bash.

# PROFESSIONAL EXPERIENCE:

**Client:** Softtek / Southwest Airlines, Dallas, TX

**Duration:** Feb 2019-Present

**Role:** Cloud/DevOps Engineer

# Responsibilities:

* Design and maintain DevOps processes across multiple environments, which including coding, building, testing, deploying and monitor processes for Dev, QA, and Production environments.
* Architecting and Deploying infrastructure using Terraform as IaC and Jenkins in AWS.
* Perform CI/CD tasks for several microservices, on-demand troubleshooting.
* Install and customize Jenkins for several teams, including setting up and configure plugins, user management & cloud integration.
* Setup and manage Docker containers, orchestration with Docker Compose and help teams transitioning to Kubernetes.
* Monitor applications health with AWS CloudWatch.
* I held responsible in Processing and analyzing the data Forms using Pyspark.
* Acted as top tier on call support for critical uptime business applications to maintain availability and minimize downtime during outage scenarios.
* Provisioning, setup and configuring application environment in AWS cloud.
* Administration of git, versioning systems for version and user management.
* Support biweekly release cycle for Southwest Airlines websites which includes development, testing, QA, and production environments.
* Troubleshooting AWS services and assisting other teams in providing new ways to implement or deploy infrastructure.
* Provide access to users by adding them to the Atlassian’s Confluence service.
* Automate infrastructure using Ansible to manage AWS EC2 instances.

**Environment:** AWS, Linux Servers, Jenkins, GitLab, Docker, Shell Scripting, Python, Kubernetes, CentOS, Jira, Service Now, Deploy, Pyspark and Undeploy services.

**Client:** Order OS / MX

**Duration:** Jun 2018-Apr-2019

**Role:** AWS DevOps Engineer / Web Developer

# Responsibilities:

* Develop application modules for a GPS tracking website using the Laravel framework and PHP in general.
* Install and configure Nginx web servers on virtual machines using the Google Cloud platform (GCP).
* Build and configure deployment scripts with Python, Fabric, and shell scripting.
* Implemented source control management with git and train colleagues on the usage.
* Database management, perform backups, and improve queries.
* Build, package and deploy web applications to Google Cloud Platform (GCP) using virtual machines.
* Automate the deployments using Fabric and Shell scripting.
* Manage files and storage using the AWS S3 and implement lifecycle management.

**Environment:** Linux, PHP, JavaScript, Laravel, Pyspark, Docker, Google Cloud (GCP), AWS S3, Nginx, MySQL.

**Client:** Black Labs / MX **Duration:** Feb 2017-Dec2017 **Role:** Cloud DevOps Engineer

# Responsibilities:

* Server management on Linux operative systems, configure user’s permissions, setup firewall rules with IP Tables
* Manage Docker containers holding web applications in different environments such as Development, QA, and Production.
* Deploy web applications to Kubernetes on Google Cloud (GCP) using GitLab CI.
* Hardening security for web services on Nginx.
* Support and backup MongoDB databases.
* Manage Kubernetes Engine on Google Cloud Platform (GCP).

**Environment:** Linux Server, GitLab CI, Google Cloud Platform (GCP), Kubernetes, Docker, MongoDB.

**Client:** Sitek / MX

**Duration:** Aug 2016-Jan 2017

**Role:** Cloud DevOps Engineer / Web Developer

# Responsibilities:

* Build web applications using Angular 2 and TypeScript.
* Manage PostgreSQL database and build script to perform automated backups using shell scripting.
* Build application image with Docker and deploy to on-premises servers.
* Migrate on-premises servers to the AWS cloud.

**Environment:** Linux Server, Circle CI, AWS (EC2, AIM, RDS, VPC), Docker, PostgreSQL, Shell Scripting.

**Client:** Centro de Investigación y Desarrollo Tecnológico Núcleo / MX

**Duration:** Feb 2012-Aug 2016

**Role:** Cloud DevOps Engineer / Web Developer

# Responsibilities:

* Automate testing, building and deployment of web applications into different environments.
* Implement source control versioning tools such as Git and GitHub.
* MySQL database management on premise, configure servers to perform automated backups.
* Install, configure, and manage Nginx web servers.
* Migrate applications from on-prem servers to the AWS cloud.

**Environment:** Linux Server, AWS (EC2, AIM, RDS, VPC), Docker, MySQL, Nginx, PHP.

# Education & Training:

Instituto Tecnológico de Chihuahua II – Computer System Engineer – 2008 Jenkins Engineer – Linux Academy – 2019

DevOps Essentials – Linux Academy – 2019 AWS Essentials – Linux Academy – 2020 Kubernetes Essentials – Linux Academy – 2020 Python Automation – Udemy – 2020

Nginx: High Performance Servers – Udemy – 2017 Bash Scripting and Shell Programming – Udemy – 2019