Paula Mendez

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RELEVANT EXPERIENCE

DevOps Engineer – *Black Spectacles*   September 2021 – Present
- **Streamline CI/CD pipelines** using **Github Actions, CircleCI and Python AWS CDK**, enabling efficient deployment of containerized and monolithic applications on ECS and Elastic Beanstalk, while reducing deployment time
- **Reduce unnecessary spending in AWS by $1.2k/month** by identifying unused resources and plan to leverage alternatives to on-demand instances to save more while maintaining scalability and reliability.
- **Develop AWS CDK Python IaC** for Node.js API, integrating **ECS, API Gateway, new VPC for a brand new platform.**
- Lead a tool consolidation initiative, migrating from Bitbucket & CircleCI to a Github environment, writing new pipelines, implementing Dependabot and optimizing branch settings for streamlined workflows.
- Manage seamless domain migration ensuring uptime, minimal user disruption for improved website traffic and SEO.

DevOps Engineer – *Covetrus*   September 2021 – Present
- Improved and further automate the CI/CD pipeline using **Gitlab CI**, **Terraform** and **Harness** to deploy containerized apps hosted on **AWS EKS in an Agile environment**.
- Participated and collaborate in the continuous improvement of CI/CD pipelines to ensure optimal site reliability
- Leveraged **Azure DevOps** tools and arm templates to deliver .NET apps for the company's most ambitious project to date.
- Served as central point of contact of all Infrastructure-related topics for specific app-dev teams.

DevOps Engineer – *Capital One Trade Credit*   February 2021 – September 2021
- Created and maintained **fully automated CI/CD pipelines** for code deployment using Jenkins and Groovy.
- Used **Kubernetes to orchestrate the deploy, scale and manage Docker Containers**.
- Maintained & improved IaC using Terraform, Terragrunt, Helm, Hashicorp Vault, Chamber of Secrets and Version Control.
- Actively **managed, improved and monitored cloud infrastructure** on GCP, Compute Engine, **Kubernetes**, Cloud Storage.
- Collaborated on the migration to **AWS** by preparing the infrastructure so it is transferable with minimum overhead.

Cloud Engineer – *Covetrus*   October 2020 – January 2021
- Formulated, implemented, and managed policies, procedures for Identity Access Management of our entire Database and **AWS environments**.
- Worked as part of a cross-functional group to **provide customized platform solutions to fit their needs**.
- **Automated cloud daily tasks**, including database IAM using AWS CLI, **Python, Bash**/ZSH.
- Designed, configure and manage databases on AWS and on-prem backups, maintenance, solve complex errors.

Systems Administrator – *Covetrus*   November 2018 – October 2020
- Handled third-level Jira tickets, **diagnosing root causes and providing lasting solutions**.
- Automated MDM processes with Jamf on unmanaged macOS fleet, deploying policies, workflows, and patching.
- **Wrote, test and deploy PowerShell Scripts and Group Policies** to automate and maintain the Windows Infrastructure.

Research Programmer - *Laboratory for Knowledge Discovery in Databases*   August 2016 – May 2018
- Supported data mining and machine learning for a text extraction project with Lawrence Livermore National Lab.
- Implemented a NoSQL Database (MongoDB) to store machine learning results and display on the Flask web app.
- Managed the front-end user interface for customer easy access using **Python** (Flask), JavaScript, HTML and CSS.

SKILLS AND QUALIFICATIONS

- **AWS Certified Solutions Architect – Associate**
- **PCEP - Certified Entry Level Python Programmer**
- Programming Skills**:** Python (Flask, Django), Java, SQL (MySQL, SQLite, PostgreSQL), MongoDB, JavaScript (JQuery, D3.js)
- DevOps: **AWS**, **Docker**, Datadog, Github Actions, CircleCI, GCP, Harness, Jenkins, Terraform, Splunk.
- Languages**:** Spanish (Fluent).

EDUCATION

Kansas State University, Manhattan, KS - Bachelor of Science in Computer Science   May 2019