Jessica Daiana Rojas P.

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I am a highly driven and meticulous analyst, leveraging technology to find solutions and tackle challenging issues. I actively monitor both cloud and on-premises infrastructure resources, seeking abnormalities that may impact operational processes or microservices. I enjoy building microservices, analyzing data that tells compelling stories, and automating repetitive tasks. I value teamwork, sincerity, and authenticity over ego.

EXPERIENCE

Siscotel International — Infrastructure Support and Cloud Engineer (AWS)

MAR 2024 - CURRENT

- Implemented OTP services for email and SMS through microservices, handling all logic behind failed attempts.
- Integrated card locking and unlocking services.
- Debbuged microservices built in Lambda with Python.
- Obtained the Cloud Practitioner certification, with extensive knowledge of AWS cloud services.
- Mitigated vulnerabilities in web portals served on Apache.
- Implemented Access Control Lists (ACLs) for specific paths or routes, allowing the Apache user www-data to create folders in a directory where it previously lacked permissions, granting more granular permissions with ACLs.
- Configured triggers to send email notifications via SNS based on events.
- On Apache servers, generated certificates using Certbot and Let's Encrypt.
- Deployed RDS databases with MySQL for query execution.
- Provided operational support, including creating AMI backups for instances, setting up domains with Route 53 and pointing them to instance IPs, and configuring traffic through security groups based on the principle of least privilege.

Tools: Python, AWS, Linux, MySQL

Rigel Technologies, Spain — RPA Developer (C#)

MAY 2022 - AGO 2022

- Analyzing and delivering high-level estimates for processes with different business rules, which increased the response time by70% with any potential client.
- Monitoring remote servers and databases to perform changes such as recapturing with C# Cartes framework and queries to verify proper storage and delivery of data for automated projects.
- Supported stakeholders via communication in case any server accesses key requests, approvals, general requests, and services.
- Increasing trust via communication, explained incidents that occurred and how they were resolved to the clients.

Tools: SQL, C#

Disk Soportes SLR, Caracas — Full Stack Developer / Analyst. (Visual Basic)

NOV 2016 - JAN 2018

- Provided remote and on-site support to end-users.
- Managed and solved requirements and incidents for the Corredor 2000 system Implemented a biometric access system to manage employee clock-in and clock-out times, enforcing company security posture as a result, employer satisfaction improved by 90% while incentivizing timely attendance by saving costs for every minute employees are late.
- Installed and optimized all hardware/software. Managed networks and administration keys. Performed process documentation.

Tools: Crystal Reports, Visual Basic, Android MIT, Anydesk

EDUCATION

Instituto Universitario de Mercadotecnia — Caracas, VE

Associate degree in Computer Engineering (completed)

2013 - 2016

COURSES AND CERTIFICATIONS

Coursera Professional Specialization Certificates

Provided by **Amazon:**

- AWS Fundamentals
- AWS Cloud Solutions Architect
- DevOps on AWS

Provided by **IBM**:

- DevOps Cloud and Agile foundations.
- Applied DevOps Engineering
- Applied Data Science
- Python for Data Science, AI & Development

Provided by **Google**:

- IT Automation with Python
- IT Support *(in progress)*
- Cybersecurity

PROJECTS

Survey & Map — Data Analysis Project

MAY 2023

Data reconciliation and analysis are done in order to visualize the outcomes. The percentages from a survey of over 2000 respondents who indicated their interest in various data science topics are displayed in a bar chart. The map shows San Francisco, California's crime rate broken down by district.

Tools: Jupyter Notebook, Numpy, Pandas, Folium

Security Analysis — Applying SQL filters

NOV 2023

As a member of the security team, I require information in order to investigate potential security issues pertaining to internal login attempts. This data will be obtained for additional analysis through the use of filters in SQL queries.

Tools: SQL, MariaDB

Virtualia — Command Line-Interface Assistant

APR 2023

A containerized command-line AI assistant that assists you in resolving questions; the premise version can utilize TTS to hear responses to questions. The goal of Virtualia is to function as an AI-integrated virtual assistant using ChatGPT's Open AI model. You must enter your Open AI API KEY in a configuration file named (config.py) in order to use it.

- **Current model**: gpt-turbo-3.5
- **Beta model:** text-davinci-003 *The app is available on the Docker Hub.*

Tools: Python, OpenAI, Docker.

GOemail — Golang email newsletter microservice

MAY 2023

GOemail is a command-line application. Its function is to send emails to different recipients; to enable email sending on autopilot, add this Go script to crontab. Environment variables that have been base64 encoded can be used to configure email.

Tools: Golang, Linux CLI