

## Mariana Ramirez Duque

412-589-4137 | mariana.ramirez97@gmail.com | linkedin.com/in/marianaramirez | github.com/marianar97

---

### Education

#### Carnegie Mellon University, Heinz College

Pittsburgh, PA

Master of Information Systems Management - Business Intelligence and Data Analytics

Aug. 2023 – Aug. 2024

**Coursework:** Machine Learning, Web Apps, DevOps, Distributed Systems, Object-Oriented Programming

GPA: 3.9/4

#### EAFIT University

Medellin, Colombia

Computer Engineering

Jan. 2016 – Dec. 2020

**Coursework:** Database Management, Data Structures and Algorithms, Programming Languages

GPA: 3.85/4

---

### Skills

**Programming:** Python, Pandas, Bash, Linux, Java, gRPC, JavaScript, REST API, MySQL, Django, CSS, HTML, AJAX, Pytest, PySpark

**Cloud:** AWS (S3, Lambda, EC2, Parameter Store), Azure (Azure Functions, Blob Storage)

**DevOps:** Jira, Git, Docker, Gitlab, GitHub, Jenkins, Ansible, CI/CD, Kubernetes

---

### Experience

Achievers (Remote)

Jan. 2023 – Aug. 2023

#### **Software Engineer**

- Collaborated with a team of 8 developers to migrate an on-premise monolith to a cloud-based microservice architecture to support a website used by 1+ million users in 400+ companies.
- Set up a scalable redundant infrastructure for more than 6 microservices using Terraform
- Coded Python programs to add functionality to microservices, resolving 30+ tickets

Globant (Medellin, Colombia)

Sept. 2021 – Dec. 2022

#### **Disney Media - Full-Stack Software Engineer**

- Developed Python scripts to automate the delivery supply chain of more than 3 million assets
- Designed and implemented Python scripts that updated information about thousands of assets using AWS S3 and AWS Parameter Store

#### **Galileo Financial - Python Developer**

- Parsed thousands of financial statements and stored them in Oracle after executing scripts Python and C
- Collaborated with Product Owner to translate clients needs into more than 30 well-scoped user stories
- Assured code quality through the creation of unit and integration tests using Pytest and Unittest

Proteccion SA (Medellin, Colombia)

Oct. 2020 – Aug. 2021

#### **Software Engineer**

- Deployed Online Fraud Detection Model, achieving a 100% TPR and 1.6% FPR using AWS Fraud Detector
- Constructed open-domain Q&A bot to answer business questions, using Python, Flask, Haystack, BERT model
- Built virtual assistant using NodeJS, React and Watson IBM to guide customers in different pension subjects

Bouquet Collection (Miami, FL)

July 2019 – Oct. 2020

#### **Software Engineer**

- Led marketing benchmark project and presented it to C-level executives, resulting in a competitive pricing initiative
  - Created multiple automated ETLs processes, using Python, C#, Azure Functions, and SQL
- 

### Projects

#### **Etube: watch Youtube Playlists as online courses**

February 2024 – May 2024

Built a website using Django, Ajax, MySQL, HTML/CSS, OAuth and Bootstrap to allow users to watch public YouTube playlists and personal playlists as online courses, showing the complete length of the playlist and the progress they have made. <https://github.com/marianar97/Etube>