

Caracas, Venezuela  
+584127285915 (Mobile)  
Email: marianoramirez353@gmail.com  
Github: <https://github.com/marianoeramirez>

## Mariano Ramirez

### **OBJECTIVE**

Lead Software Engineer / Data engineering

### **SUMMARY**

I am a versed IT professional with a passion for building meaningful data-driven applications paired with rich user interfaces. Specifically, I am a web and Android developer with more than 10 years of experience, as well as a machine learning and data science practitioner.

My specialties include Python, Django, PHP, Celery, Docker, Kubernetes, PostgreSQL, NGINX, ReactJS, React Native, Bootstrap, jQuery, Backbone.js, and Android Java. I leverage Git and GitFlow for version control and collaboration and have a high competency in architecting multi-container Docker applications.

With respect to Android, I have developed both native and hybrid applications for the platform, with many published in the Google Play Store.

I am creative and quick at picking up new skills and pursue continuous mastery. Finally, I am a Spanish native speaker and have intermediate-level English reading and writing skills.

### **EDUCATION AND TRAINING**

Aug 2020      **Udacity**  
Online  
**Data Engineering Nanodegree**

Dic 2019      **National University of Cordoba**  
Cordoba, Argentina  
**Diploma in Data Science, Machine Learning and its applications**

## **CERTIFICATIONS**

March 2021     **ASSOCIATE CLOUD ENGINEER**

Google Cloud Certified

April 2015     **Programming Mobile Applications for Android Handheld Systems**

University of Maryland

## **TECHNOLOGY SUMMARY**

<b>Platforms:</b>	Linux, Windows
<b>Database:</b>	MySQL, PostgreSQL, Postgis, Redshift, Cassandra
<b>Programming:</b>	Django, Python, RapidAPI, JQuery, C++, PHP, CSS3, HTML5, Javascript, Ajax, Celery, Backbonejs, Bootstrap, Reactjs, Rust
<b>Mobile:</b>	PhoneGap, Java, React Native
<b>Server &amp; Web:</b>	Apache, Nginx, Supervisord, uWSGI, Varnish, Kubernetes, GCP, AWS
<b>Software &amp; Tools:</b>	PyCharm, Git, Github, Bitbucket, Vagrant, Docker, Android Studio, GitLab, Geoserver

## **PROFESSIONAL EXPERIENCE**

**Ginger/Headspace Health**

**Backend Python Engineer**

Mar 2021 - Present

- Responsible for architecting and developing new features, and optimizing and maintaining existing Django codebase.
- Responsible for executing quality assurance processes pre-deployment.
- Led optimizations of important codebases that in certain cases allow optimization of up to 70% of the existing response time.

**Taller Technology, (Client VENMO)**

**Backend Python Engineer**

Jan 2021 - Mar. 2021

- Design and implement new services using cutting-edge technologies to support our client in achieving its business goals.
- Collaborate with the architecture team to develop robust, portable, and interoperable solutions to the difficult problems faced by a growing organization.

- Collaborate with the information security team to keep our client, and its customers, safe from emerging security threats.
- Take an active role in reducing the technical debt in our various codebases.
- Triage, debug and assure the timely resolution of software defects.

## **AutoFyle**

### **Full-Stack Lead Engineer**

Aug 2018 – Jan 2021

- Design, build, and maintain distributed and scalable data-processing systems deployed on GCP with Kubernetes and Docker.
- Participate in the product development process from start to finish, from scoping projects to measuring their success and iterating based on feedback
- Maintain high engineering and security standards with respect to performance, scalability, and maintainability, and continuously improve the codebases and work processes.
- Define release strategies and build the CI/CD process that assures the quality of the work deployed and the security.
- Participate in the development of the Web application made with Django, pytest, Celery, PostgreSQL, MongoDB, React.Js and Redux
- Design, build and maintain ETL pipelines build with airflow.
- Project leadership and assignment of tasks.

## **BrightComms**

### **Full-Stack Lead Engineer**

Oct 2013 – Aug 2018

- We have implemented and streamlined the company's data environment.
- Design, build, and maintain distributed and scalable data-processing systems deployed on GCP with Kubernetes and Docker.
- Backend development, with the following technologies Django, Flask, pytest, Celery, PostgreSQL, PostGIS, MongoDB, RabbitMQ and Redis
- Define release strategies and build the CI/CD process that assures the quality of the work deployed and the security, using Gitlab.
- Develop different geo-referenced solutions working with Geoserver, OpenStreetMap, Google Maps and Leaflet,
- Develop microservices with Flask to accompany the monolithic applications.
- Implementation and support of a OLTP PostgreSQL database that handles daily more than 50Gb of information and stores more than 10Tb of data.
- Develop and maintain Android applications, that have some IA functionalities implemented with TensorFlow.

- Frontend Development with React.Js and Redux
- Implementation of monitoring tools with ELKB (Kibana, ElasticSearch)

### **Non-VULGI**

#### **Chief Information Officer**

Apr 2012 – Oct 2013

- Understanding the business requirements, developing the ICT strategy and budgetary information to support the requirements.
- Introduced an informed vision of how ICT strategy could support transformation change by horizon scanning and strategic planning.
- Management and planning of ICT including policy and practice development, planning, budgeting and training.
- Versioning and source control management
- Web application developer
- Android mobile development Implemented and streamlined the company's data environment.
- Design, build and maintain web applications with PHP, Symphony, and CodeIgniter,
- Design, build and maintain WordPress and Joomla Sites
- Design, build and maintain the infrastructure required to deploy these projects with Nginx, Apache, Supervisorctl and MySQL

### **Kumache Tics**

#### **Software Trainer (Part-time)**

From 2010 – Jul 2013

- Plan, prepare and research about lessons
- Develop and deliver programs of learning activities
- Teach PHP, VB2010, C# 2010, Joomla, JQUERY, python, WordPress, HTML5 and, CSS3

### **MLM Marketing**

#### **Lead Developer**

Nov 2011 – April 2012

- Develop, improve and administer a custom CRM made from VtigerCrm using PHP, CSS, HTML5 and, JQUERY
- Design, build and maintain the infrastructure with Nginx, Apache, Supervisorctl and, MySQL

### **Publisnet C. A**

#### **Web Developer**

Mar 2010 – Feb 2011

- Develop web applications using PHP, CodeIgniter, and jQuery

- Design, build and maintain the infrastructure with Nginx, Apache, Supervisorctl and, MySQL

### **Indico**

#### **Teacher of Software Development**

From 2008 – Jul 2010

- Designing new teaching programs.
- Teaching PHP, VB2010, C++, C# 2010, Joomla, python, WordPress, JQUERY, html5 and CSS3

### **LANGUAGES**

Spanish – Fluent

English – Intermediate written and spoken, IELTS certificate level 6