



Rodrigo Mauricio Garcia Saenz

Experience

Rodrigo Mauricio
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Residence
La Paz, Bolivia

About me

Computer programmer, data analyst.

I have 3 years of experience in web development and a year in QA automation.

I have knowledge in data analysis and machine learning, I like free tech such as python, GNU/Linux and participate in development/support communities.

Languages

Spanish

Native language.

English

Advanced.

August 2021 - Present, QA Automation Engineer, Jalasoft

- Automation for API, UI testing with:
 - Cucumber
 - Javascript
 - Node.js
 - Azure Devops
 - Selenium
 - Typescript
 - Chart.js
 - AWS cloudwatch
- Performance testing automation with:
 - Artillery.io
 - Javascript
 - Node.js
 - Typescript

May 2018 - November 2020, Developer of public information systems, E-Government and Information and Communication Technologies Agency (AGETIC - Bolivia)

- Design and implementation of **service of approval of documents with digital citizenship**. It allows giving legal validity to digital documents and ensuring integrity, non-repudiation and temporality by using the national state's blockchain. Developed with:
 - Node.js
 - Javascript
 - Postgresql
 - Debian GNU/Linux
 - Hyperledger Fabric
 - Openid connect
 - Nginx
- Design and development of the user interface of the **Bolivian state's procedures portal**, available at <https://www.gob.bo>. Developed with technologies:
 - Vue.js
 - Nuxt.js
 - Javascript
- Organization of working group between public institutions and civil society as coordinator of the **free software group** of the 'Council on Information and Communication Technologies - Plurinational State of Bolivia' CTIC-EPB.

2016 - 2017, Web Developer, Geographical Research Institute (IIGEO - UMSA)

Design and development of a web platform for the XVI "Meeting of Latin American Geographers" (EGAL-2017), using:

- Python
- Django
- Bootstrap
- Postgresql
- Debian GNU/Linux
- Nginx

2017, Systems Technician, Industrial Engineering Career (UMSA)

Development of a web platform to collect information for accreditation with MERCOSUR ARCU-SUR. Technologies used:

- Python
- Django
- Bootstrap
- Jinja2
- Jquery
- Apache

2015, Internship, Technological Development and Information Unit - Ministry of Public Works, Services and Housing (MOPSV - Bolivia)

- Remastering of GNU/Linux Mint for ministry needs using GNU/Linux and bash.
- Local services deploy: Instant messaging.

Interests

Professional

Data Analysis, machine learning, data visualization, data mining, data bases, data warehouse, Big Data, web development, automation, libraries, protocols, encryption. Writing software documentation for courses and tutorials. Free software and open Data.

2015 - 2021, Volunteering, Free communitary network Project 'La Otra Red' - <https://laotra.red>

- Design, development and construction of a free community network
The network is based on the idea of decentralization and automatic training/repair following the mesh network topology using dynamic routing protocols such as bmx7.

Technologies used for software development and data analysis

Programming

- Python
- C/C++ (basic)
- Node.js
- Django
- git
- JS/TS
- Java (basic)
- Vue.js
- Flask
- Bash
- JQuery
- jinja2

Data bases

- Postgresql
- MySQL/MariaDB
- MongoDB

Servers and containers

- Debian & Ubuntu
- Docker

Routers and networks

- OpenWRT
- netfilter
- babeld

Analysis, data visualization and machine learning

- Python
- R(basic)
- Octave (basic)
- Machine learning:
 - numpy
 - pandas
 - pyspark
 - scikit-learn
 - tensorflow
 - keras
- Visualization:
 - matplotlib
 - seaborn
 - pyplot

Academic Background

2013 - 2018, Mayor de San Andrés University

Bachelor's Degree in Computer Science with a major in software engineering.

2019 - 2021, Católica San Pablo University

Master's Degree in Data Science (in course)

2022, Coursera - University of Michigan

Introduction to Data Science in Python

<https://www.coursera.org/account/accomplishments/verify/FF2WNKNZNH4X>

2022, Coursera - University of Michigan

Applied Plotting, Charting & Data Representation in Python

<https://www.coursera.org/account/accomplishments/verify/TDVYK3XJQBFC>

2020, Coursera - Stanford Online

Machine learning

<https://coursera.org/share/926ba965578560a1f76ad1a14880d199>

2013, Pedro Domingo Murillo Superior Industrial School

Senior electronics technician