



# Leonardo Calderon J.

Software Engineer  
STEM Professor

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## PROFILE

Software Engineer with experience also as a Project Manager and STEM Professor, onsite and remotely, goal-oriented, with skills and strengths to enhance teams, processes, and businesses.

Interested in high-level language applications especially Python, Data Analysis and become a Machine Learning expert and Data Scientist.

## TECHNICAL SKILLS

- VS Code, Jupyter, PyCharm.
- C, Python, Numpy, Pandas, R.
- HTML, Javascript, CSS, PHP, AJAX, Flask, Django.
- AWS Lambda, API Gateway, S3.
- Shell, Git/GitHub.
- REST API, MySQL.
- MS Sharepoint, Excel, Project.
- Linux, Windows, Arduino, Raspberry.
- Mathematics, Statistics, Physics.
- Entrepreneurship.
- Investment projects formulation and evaluation.
- Financial and stock market fundamentals.

## LANGUAGES

- Spanish: native
- English: 76/100 (C2)

## EMPLOYMENT HISTORY

### **Skillshare**

Software Engineer Backend AWS Lambda with Python 2020

- Launched an online translation web service.
- Created an AWS API Gateway and lambda back-end with Python.
- Improved front-end with online translation to +8 languages.

### **Veos Smart Vending**

Software Engineer IoT with Google Cloud and Python 2020

- Researched protocols for IoT (Raspberry) telemetry.
- Tested MQTT protocol using Google Cloud Platform.
- Reduced communication package size consumption by 80%.

**RedSST.com** Software Engineer Full Stack 2019

- Implemented HTML5, CCS, JS, PHP, AJAX, Python, and MySQL.
- Launched a web site for the community of people in Safety.

**Univalle** Software Engineer 2018

- Researched science projects with Arduino, Python, and NumPy.

**UNIAJC** Professor in STEM subjects 2016 - 2020

- Developed +8 STEM subjects for Engineer careers using Project Based Learning and active methodologies.
- Reorganized remote teaching tools to migrate 6 courses.

**K&L Consultores SAS** Project Manager 2016 - 2020

- Implemented projects, Safety, and Software Engineering. Designed, innovated, built, and deployed industrial systems and training.
- Developed database for documentation, inventory, and audit processes.

**Baxter** Software Validation Engineer May 2014 – Jul 2015

- Completed successfully a 2-years project as Software validation lead for IT compliance global team.

**Baxter** Senior Engineer May 2007 – Apr 2015

- Developed Safety program for the Cali facility.
- Achieved status as a regional auditor and consultant.
- Completed investment projects of +100k USD per year.

**Pfizer** Junior engineer Jul 2003 – Dec 2004

- Created a Commissioning & Qualification (C&Q) program.
- Improved manufacturing projects of +2M USD using C&Q program.

## CORE STRENGTHS

- Leadership
- Change management
- Problem Solver
- Teamwork
- Strategic planning
- Process management
- Critical thinking
- Agile-Scrum focus

## HOBBIES & INTERESTS

- Outdoor walks
- Speed-skating
- Animals
- Science books

## CONTACT DETAILS

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- Cali, Colombia  
(willing to relocate)
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- [github.com/leocjj](https://github.com/leocjj)
- [twitter.com/leocj](https://twitter.com/leocj)
- [linkedin.com/in/leonardocj](https://linkedin.com/in/leonardocj)

## EDUCATION

**Full-stack software engineering** 2020  
Holberton School

- Peer-learning, project-guided, full-stack software engineering.
- School from San Francisco focused on projects Low-level (C), High-level (Python), Front-end, Back-end & DevOps.

**Master degree in Mathematics** 2020  
Universidad Tecnológica de Pereira

- Algebra, Analysis, Calculus, Linear Algebra, Stats.
- Advanced teaching techniques.

**Project management Specialization** 2011  
Universidad Libre, Colombia

- PMI standard based on PMBOK.
- Thesis: improvement of a Project Management Office.

**Bachelor's degree in Engineering** 2003  
Universidad Autónoma de Occidente

- Graduated *summa cum laude*. Grade: 4.7/5.0.
- Thesis: physics remote laboratory. Java client-server model.
- Teacher assistance for mathematics.

## PROFESSIONAL REFERENCES

**Andrés Barreto**, @andresbarreto. Investor @firstrockvc @socialatomv.  
Board @holbertoncol @enterco @coderiseorg +1 (650) 488-3054

**Silvia Guzmán**, Holberton School Campus Manager  
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**Andres Rojas**, Software Engineer, and Education Lead Entrepreneur,  
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**Walter Donneys**, Director of Industrial Engineer at UNIAJC.  
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