



# ALEJANDRO CASTILLO

Full-Stack Software Engineer

## PROFESSIONAL SUMMARY

Seasoned Full Stack Web Developer specializing in Ruby and Ruby on Rails, with a proven track record in delivering high-quality web applications. My recent tenure at IcaliaLabs has been instrumental in enhancing my expertise and skill set. Armed with a strong command of JavaScript, React, Redux, and a broad range of development tools and methodologies, I bring a comprehensive approach to software development.

At IcaliaLabs, my role was pivotal in creating prompts for Language Learning Models (LLM) and leveraging the LLM API to develop robust applications using Python and FastAPI. My proficiency in Ruby and Ruby on Rails enabled the development of web projects with efficiency and precision, often in collaboration with Tailwind CSS and Hotwire frameworks.

Furthermore, my experience with Docker, deploying applications via Cloud Run, and effectively utilizing remote containers has streamlined development processes. My contributions to developing RESTful APIs, implementing Continuous Integration and Continuous Deployment (CI/CD) pipelines, and deploying projects on Google Cloud Platform have sharpened my skills in software architecture, problem-solving, and remote collaboration.

With a strong focus on delivering elegant, scalable, and maintainable code, I am well-equipped to make significant contributions as a Full Stack Web Developer. As a collaborative team player with excellent technical abilities, I offer three years of comprehensive experience in both backend and frontend development.

## SKILLS

- Problem Solving
- Coding
- Technical Analysis
- Team Collaboration
- JavaScript
- HTML
- CSS + SCSS
- React
- Redux
- Ruby
- Rails
- Hotwired
- MySQL
- PostgreSQL
- Python
- FastAPI
- Shell Scripting
- Linux
- CI/CD Pipelines
- Docker
- Docker Compose
- GitHub Actions
- GPT API + OAI
- Azure cloud
- Google Cloud
- Automated testing pipelines

## WORK HISTORY

### Software Engineer

#### IcaliaLabs

03/2022 – Ongoing

Remote, Mexico

IcaliaLabs is a nearshore software product firm for USA market, that delivers value through a frictionless software environment and a positive change for humankind.

- Developed and deployed web applications using Python, FastAPI, React, Ruby on Rails, Tailwind, and Hotwired, creating MVC apps, Restful APIs, SPA apps.
- Created prompts for the LLM (ChatGPT) API, Azure cognitive services, create AI based apps, using tools like vector stores, OCR, Lang Chain, parsers, splitters, embeddings.
- Built images with Docker and Docker compose, also use remote containers to deploy applications in different environments to different cloud such as Google cloud and Azure.
- Designed and executed basic/mid complex CI/CD pipelines with Docker, GitHub actions and Cloud platforms, for automated testing and deployment.
- Participated in the software architecture planning and review for every project.
- Create unit and system specs, to achieve great quality in software development.
- I helped my coworkers with their issues regarding architectures or software code, also giving them code reviews with descriptive feedback.

### Web Developer (bootcamp)

#### Microverse

05/2021 – 03/2022

Remote, Mexico

Microverse is an online education platform that connects learners worldwide with high-quality courses and peer support. It teaches remote collaboration and communication skills for global companies.

- Developed and deployed web applications using React, Ruby on Rails, creating MVC apps, Restful APIs, SPA apps.
- Mentored junior web developers, providing technical support through code reviews.
- Proposed improvements to code organization to improve code quality and overall performance.
- Provided advice and tips on how to maintain motivation to maintain longevity in the program.
- Skilled at working independently and collaboratively in a team environment.

### Telecommunications Technician

#### TELMEX

08/2006 – 05/2021

Chihuahua, Mexico

TELMEX is a telecommunications company that provides telephone, Internet services and comprehensive solutions in Mexico. It has an advanced fiber optic network and strategic alliances to innovate products and services.

- Preventive and corrective maintenance, as well as fault location to SDH, PDH, POTS, GPON and Carrier ethernet equipment.
- Structured cabling (copper and optic fiber) installation and maintenance.
- Teaching as a certified telecom instructor for the subsidiary company of TELMEX, called INTELMEEX.

## ACHIEVEMENTS



### 4<sup>th</sup> place in programming contest

Achieved in high school, after having fallen in love with programming.



### Ziplining

Was a great achievement for me, because of my terror of heights.



### 1<sup>st</sup> place in programming contest

Achieved in college, it was a local contest, and first time I won 1<sup>st</sup> place.



### B1 TOEFL English certification

It was a great achievement for me, due to the importance in programming world.



### National programming contest

I participated at national programming contest; I met great developers.



### Certification as telecom instructor

When I was certified as instructor was a great achievement due to the difficult.

## PROFILES/PORTFOLIO

- [linkedin.com/in/alejandro-castillo-6849131a9/](https://www.linkedin.com/in/alejandro-castillo-6849131a9/)
- [github.com/Wikitelmex](https://github.com/Wikitelmex)

## EDUCATION

### Instituto Tecnológico de Ciudad Cuauhtemoc

2001-2006  
Systems Engineering specialist in databases.  
I pursued my Systems Engineering degree with a specialization in databases at ITCC from 2001 to 2006. During this period, I developed software for my university that is currently being used, such as a database management system. I also made social service in the computer lab in my university, where I assisted other students and faculty members with their technical issues.

In addition to my academic and service activities, I also participated in several software development competitions at the local and national levels. I won the third place in the local competition in 2002, and the first place in 2005. I also qualified for the national competition in 2005, which was held in Celaya, Guanajuato. I competed with hundreds of talented developers from across the country and secured the sixth place. These experiences enhanced my skills and confidence as a software developer.

### Microverse

2021-2022  
Full-stack Rails/React Developer  
Acquired full-stack web development skills through 1300+ hours of online training and collaboration with international remote developers on various web applications using Ruby, Rails, JavaScript, React, and Redux, following industry-standard practices such as GitHub, gitflow, testing, debugging, and documentation.

## PASSIONS

- Solve sudokus.
- Reading fantasy books.
- Movies and popcorn.
- Hiking and camping.
- Videogames, I love Zelda.