

# Edgar Ramírez

*Software Engineer*

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## Education

**Superior School of Computer Science (ESCOM-IPN)**  
Bachelor's degree of Computer Systems Engineering

Degree Expected: December 2023  
GPA: 3.4

## Experience

### Software Engineer Apprentice | Encora, Inc.

- Worked with the apprentice team to solve development tasks and competitive programming challenges.
- Developed a ToDo app, which helped me to learn new technologies, and work on my time management.
- Attended to workshops and talks that helped me to improve my technical and soft skills.
- Planned and presented lightning talks about computer science topics to improve my speaking and communication skills.

### Software Engineer Intern | CIDETEC-IPN

- Member of the development team responsible for developing a low code platform to improve the time-to-market of the CIDETEC's projects.
- Worked using the SCRUM framework, and presented the products of each sprint to our clients (professors).
- Learned new technologies to contribute to the development of the low code platform.
- Worked on my communication, teamwork, problem solving, negotiation, time management, and leadership skills.

## Skills

**Programming languages (Frameworks/Libraries):** Python, Java, JavaScript, C/C++, Django, Flask, React, Bootstrap

**DBMS:** PostgreSQL, MySQL, MS SQL Server

**Tools:** Git, Postman, Docker, Bash, Linux

**Methodologies:** SCRUM, Waterfall, Evolutionary prototyping

**Soft Skills:** Leadership, Problem Solving, Negotiation, Empathy, Emotional Intelligence, Conflict Resolution, Motivation, Communication, Team Work, Self-learning, etc.

**Languages:** Spanish (Native), [English \(B2+\)](#)

## Projects

### CIDETEC's Low code platform (React, Django Rest Framework, PostgreSQL, Docker)

- Contributed to the REST API development of a low code platform, which is meant to help developers to reduce the development process by exporting the development environment of a pre-configured project.
- Used the SCRUM framework to plan the activities of the project.
- Responsible for the task management in the back-end team.
- Worked with the front-end team in the contract agreements for the web client and rest services communication.

### [Protecting Sensitive Information \(JavaScript, Flask, PostgreSQL\)](#)

- Developed a web app, which is meant to help its users to share PDF files in a secure way by encrypting and signing each PDF file.
- The web app provides the following cryptographic services: Confidentiality, Integrity, Non-repudiation, and Authentication.
- Applied Cryptographic primitives to ensure the previous cryptographic services, such as RSA, SHA-3, AES-128, DSA.
- Worked using the waterfall methodology, and collaborated with two excellent women engineers to design and implement this solution.

## Courses and Certifications

[CS50's Introduction to Computer Science](#) | [ONE - Oracle Next Education](#) | [Competitive programming club](#) | [Google Cloud Computing Foundations: Cloud Computing Fundamentals](#) | [Docker Essentials: A developer Introduction](#) | [Programming for Everybody \(Getting Started with Python\)](#) | [Intermediate Python](#) | [Cybersecurity Essentials](#) | [Javascript: from Zero to the details](#) | [Git + GitHub: A whole control version system from Zero](#) | [Personal Development](#)