

# RAÚL LÓPEZ CRUZ

## FULL STACK DEVELOPER

### CONTACT

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🌐 [ralo-dev.me](https://ralo-dev.me)

📍 Oaxaca City, Mexico.

### EDUCATION

**BS in Computer Systems Engineering  
with a specialization in Emerging  
Software Technologies**

National Technological Institute of  
Mexico, Oaxaca Campus

2018 - 2023

### LANGUAGES

Spanish Native

English CEFR: C1

### PROFILE

Solution-driven developer adept at contributing to highly collaborative work environment, finding solutions and determining customer satisfaction. Proven experience developing consumer-focused web applications. Passionate programmer with drive to learn and master new technologies.

### EXPERIENCE

#### Full Stack Developer

National Technological Institute of Mexico, Oaxaca Campus 01/2023 - 07/2023

- Active collaboration with clients to identify and define specific requirements.
- Design, development, and successful implementation of a comprehensive Human Resources Information System (HRIS).
- Technical leadership and direction in the project to ensure code quality.
- Effective planning and execution of RESTful services for data and resource management.
- Identification and analysis of vulnerabilities, followed by the implementation of strong security measures.
- Configuration and deployment of the system, including the setup of the production environment, domain management, and necessary resources.

#### Software Engineer

National Technological Institute of Mexico, Oaxaca Campus 03/2022 - 09/2022

- Analysis of tasks and procedures to generate logic for new systems.
- Study of user requirements to understand the specifications and establish project timelines.
- Gathering, defining, and translating user requirements into project designs and implementation plans.
- Building databases and table structures for web applications.

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### ACHIEVEMENTS

#### Participation in the International Scientific Writing Competition - CIENCIA SAS - SCT

09/2023

Draft of the research article titled "Sustainability Behaviors: An Application of the VBN Theory Among Engineering Students," achieving the score required for digital publication in a scientific journal indexed in many prestigious repositories, such as Scilit and Harvard Library.

#### Participation in the 3rd National Scientific Conference, "Sustainable Balance Between Technology, Environment, and Society."

06/2023

Presentation of a study on sustainability behaviors.

#### First place in the competitive programming competition at the National Technological Institute of Mexico, Campus Oaxaca 2023.

06/2023

Algorithmics competition, preselection of the team to participate in HackaTecNM 2023.

#### Second place in the 1st Programming Contest at La Salle Oaxaca 2022.

09/2022

Second place achieved with the project "Goods for Good" (¿vienes por bienes?) which addresses the issue of distributing and donating goods to nonprofit charitable organizations through a web application and Machine Learning.

#### Second place in the Second National Scientific Conference "SMEs and Sustainability in the Context of the New Normal."

05/2022

Writing and presentation of the research article "Analysis of Access to Internet Services in Oaxaca during the period 2013-2021", achieving second place in the event.

### SKILLS

#### Java

5 years of university education focused on OOP, Data Structures, and web development using both JavaEE and JavaSE.  
Proven experience developing web services.

#### Spring Boot

2 years of experience in web application and RESTful service development.  
Proficiency in configuration, security, and dependency management.

#### SQL

2 years of experience in SQL queries for data extraction and modification.  
Proficiency in using DBMS such as MySQL and PostgreSQL.

#### JavaScript

2 years of experience in web application development with JavaScript.  
Proficiency in using libraries, handling events, manipulating the DOM, and API consumption.

#### HTML5

2 years of experience in creating and structuring web content.  
Proficiency in DOM manipulation, HTML semantics, and SEO.

#### CSS3

Advanced knowledge in website design and styling with CSS3.  
Ability to use styling tools and libraries such as Bootstrap & TailwindCSS

#### Vue.js

Intermediate knowledge in the Vue.js framework (Vue3): properties, events, reactivity, components, state persistence, routes, and routing.

#### React

Intermediate knowledge in the React framework: properties, states, hooks, events, reactivity, components, routes, and routing.