

Carlos A. Rosario Sanchez

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<https://www.linkedin.com/in/carlos-rosario>

Software Developer (Experience and knowledge)

- Proficient in a range of Software Development and Agile Methodologies such as Scrum, Kanban, Test Driven Development (TDD), and Rational Unified Process (RUP).
- Extensive experience in Object-Oriented Programming (OOP), with a strong command of modern Java SE, Apache Maven, Junit, Git, Relational Databases (particularly Oracle Database), and Shell scripting.
- Familiarity with a diverse technology stack, encompassing the Spring Framework, Java EE (JEE), .NET Framework, JavaScript, HTML, CSS, XML, and JavaFX.
- Knowledgeable in Functional Programming, adept at applying Design Patterns, and committed to upholding SOLID principles.
- Demonstrated expertise in risk management, ensuring robust and secure software solutions.
- Exceptional problem-solving abilities, with a keen analytical mindset for effective issue resolution.
- Bilingual proficiency in English and Spanish, facilitating clear communication with clients and seamless technical collaboration with colleagues.

Key Skills

Backend Development

System integration

Functional Programming

Web services programming

API development

Object-Oriented Programming

Software Architecture

Test Driven Development

Relational Database and ERD Designing

Education

Software Engineering Technology Co-op Diploma

Centennial College, Toronto, ON

Jan. 2023 – Present

- *Currently maintaining a GPA of 3.97/4.5*

Industrial Engineering bachelor's degree

Aug. 2015 – Oct. 2019

Technological Institute of Santo Domingo,
Dominican Republic

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Academic Projects

- I undertook the development of a client-server system, a notable accomplishment as I designed a socket-based API from scratch, without relying on any pre-existing framework. This endeavor was exceptionally challenging, but it proved to be a gratifying learning experience. It deepened my knowledge of multithreading programming and honed my ability to send and receive messages through the TCP protocol. This project served as a pivotal moment in my journey, enlightening me about the inner workings of frameworks and granting me the freedom to navigate and comprehend any framework with confidence.
- As part of a group effort, we embarked on the creation of a database system tailored for a dental office. Embracing an agile approach, we implemented Scrum methodologies and harnessed various techniques from the Rational Unified Process (RUP) to streamline requirement gathering and process analysis. With a comprehensive understanding of the office's operational intricacies, we meticulously defined the entities, culminating in the development of an Entity Relationship Diagram (ERD).
- My portfolio also features a range of web projects, where I worked employed JavaScript, HTML, and CSS to craft engaging and interactive user experiences. Moreover, my current semester's agenda includes working with React, further expanding my skill set in web development.

Related Work Experience

- During my most recent employment back home, I played an important role in creating the Entity Relationship Diagram (ERD) for an Operational Risk Management System tailored for a prominent financial institution. This undertaking underscored my expertise in database design and allowed me to contribute significantly to the project's success. In addition to my ERD responsibilities, I demonstrated my proficiency in automation by harnessing the power of Java and Python to streamline various tasks.

Canada Work Experience

Leon's Furniture

20 McLevin Ave, Scarborough, ON M1B 2V5
(416) 291-3818

Apr. 2023 – Present

Role: Currently working as a part time Lift truck driver.

Skills: Teamwork, punctuality, organizational skills, communication skills.