

# Juan Carlos Martínez Zacarías

+52 (496) 141 0811 | juancmtz777@gmail.com | linkedin.com/in/jcarlosmtzz/ | Monterrey, N.L.

## PROFESSIONAL PROFILE

Engineer with strong academic achievement and proficiency in programming languages, databases, APIs and web and mobile Apps acquired through an internship and several software development projects. Keen to pursue a career in mobile and web environments, always open to new knowledge to overcome any obstacle.

## EDUCATION

### Instituto Tecnológico y de Estudios Superiores de Monterrey (ITESM)

Monterrey, México

B.S. in Computer Science and Technology. GPA: 99/100

Aug. 2020 – June 2024

- Líderes del Mañana Scholarship: 100% scholarship for outstanding cognitive, social leadership, and performance abilities. Chosen among over 15,000 applicants.
- Acknowledgement, 2021, 2023, 2024: Awarded for having academic excellence grades.

## EXPERIENCE

### Atos

Remote work

Back-End Development Intern

Aug. 2023 – Dec. 2023

Collaborated on the management, requirement analysis, design, implementation, and optimization of a distributed Back End following the SOLID principles, Clean Architecture, Design Patterns, and Scrum.

- Created an abstraction layer to implement the Repository Pattern with NoSQL databases.
- Communicated microservices by adapting Amazon SNS/SQS to the project's characteristics.
- Improved quality of microservices by reducing bugs, vulnerabilities, and code smells to 0.

## PROJECTS

### John Deere

Monterrey, México

Full Stack Developer

Sep. 2022 – Nov. 2022

Collaborated on the development of a prototype system for operators to learn Mexican Sign Language through an Android App and for administrators to monitor their learning process through a Web App, following the waterfall model.

- Android App built in Kotlin. Web App built in React using pure HTML, CSS, and JavaScript. Both are connected to a MySQL database through an API built in JavaScript-Express.

### Arca Continental

Monterrey, México

Full Stack Developer

Feb. 2022 – May 2022

Collaborated on the development of a prototype Web App for operators to test their abilities regarding the new methodology of the company and for administrators to monitor the learning process of it, following the iterative model.

- Web App built in React using HTML, Bootstrap and JavaScript, connected to a MySQL database through an API built in JavaScript-Express; with Unity minigames integrated using WebGL.

## COURSES

- AWS Cloud Practitioner Essentials – AWS training and certification (2024)
- React Native Essential Training – Linkedin Learning (2024)

## SKILLS

- **Coding languages:** Python, C++, SQL, C#, JavaScript, Go, Kotlin, HTML, CSS.
- **Technologies:** .Net, Node.js, MySQL, SQL Server, Firebase, AWS, RabbitMQ, React, React Native, Bootstrap, Android Studio, Docker, Git/GitHub, SonarQube, Visual Studio, VS Code.
- **Natural Languages:** Spanish (Native), English (Upper intermediate).
- **Soft Skills:** Teamwork, commitment, self-taught, active listening.