

# Carlos Carvajal Vázquez

## Full Stack Software Developer

Driven and curious Full Stack Developer with 4+ years of experience, skilled in multiple languages and frameworks, including Angular, JavaScript, Java, and Python. Passionate about experimenting with new technologies and methodologies, with a strong ability to adapt and learn quickly. Dedicated to continuous learning and eager to tackle challenging problems with innovative solutions.

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## WORK EXPERIENCE

### Full Stack Software Developer IBM

11/2021 - Present

Guadalajara - México

#### Highlights

- I was a guide and leader in the creation of an outstanding system where we migrated a Java monolith to Angular, serving over 10,000 users. I played a key role in ensuring the application was scalable and capable of real-time financial operations.
- I played a central role in the migration of two legacy Lotus Notes systems to web-based applications using Angular and Node.js with DB2. This involved designing both the database structure and backend, and successfully implementing them in record time to meet our production deadline.
- Reimplementation of report generation achieving approximately 99.81% time reduction in performance in generating Excel reports.
- I implemented key modules to enhance the performance of deprecated AngularJS applications used by users in all latam countries, integrating crucial functionalities to improve user experience.

Stack : Angular, Java (Quarkus), SQL (DB2), Mongo, NodeJs (Express), Microservices, Docker, Git, IBM Cloud, Agile using scrum - Jira

### Software and Database Developer DXC

11/2020 - 11/2021

Guadalajara - México

#### Highlights

- I was a member of the modernization of legacy Pascal applications for a customs system by implementing Angular for the frontend and Oracle SQL procedures for efficient database management.
- I assisted in innovating new functionalities for over 5 multinational clients in a customs system, where I implemented stored procedures and improved database management in Oracle databases.

Stack : PL/SQL (OracleDB), .Net Framework, Pascal (Delphi framework), Angular

### Software Developer Freelance

07/2018 - 10/2020

Guadalajara - México

Occasional Projects Undertaken During My University Years

#### Achievements/Tasks

- Contributed to the development of **Searchlock**, a web app that scrapes product prices from stores (Amazon, Liverpool, Walmart), compares them, and displays historical data. Designed infrastructure, implemented data pipelines, and developed database and search algorithms.
- Participated in a Jalisco state hackathon at Talent Land, creating **Jalinks** —an app to help users formalize informal jobs and connect with clients. Ranked in the top 5 finalists.

## EDUCATION

### Computer Engineer

Universidad de Guadalajara (CUCEI)

08/2016 - 12/2021

Guadalajara - México

#### Highlights

- Algorithms
- Data structures
- Databases
- Computer science fundamentals
- IA fundamentals and algorithms

## SKILLS

Curiosity & Continuous Learning

Collaboration & Teamwork

Problem-Solving & Critical Thinking

Time Management & Prioritization

## PERSONAL PROJECTS

### Portolio (01/2025)

- My personal website
- Stack: React, NextJs, Docker, NodeJs, GitHub actions, Coolify

### FaceLog (01/2024 - 01/2025)

- I lead the build of the real time face recognition logger system for tracking and logging time for students. Also managing the microservices in our custom server using coolify and kubernetes.
- Stack: Microservices, Angular, Python (FastAPI, DeepFace), S3 storage(Minio), Quartz (docs), SQL (MySQL)

### SearchLock (12/2019 - 11/2020)

- Created the infrastructure, backend, and database for a Price Tracker Application across multiple retailers (Amazon, Liverpool, Walmart).
- Stack: ReactJs, Angular, MySQL, Python

## ACHIEVEMENTS

### IBM - Client and Partner success (2023)

We successfully modernized the system under tight deadlines and deployed it to IBM's cloud before Lotus Notes reached its end-of-life.

### TalentLand - Hackathon 3rd place winner (2019)

In the biggest talent land of Latin America we won the 3rd place for our category.

## LANGUAGES

English

Professional Working Proficiency

Spanish

Native or Bilingual Proficiency

## INTERESTS

System design

Algorithms

Servers

System Architectures