Guillermo Martínez Montano – Software Engineer

✉ martinezguillermo559@gmail.com | in @guillermart1 | ⓞ github.com/Unicomet | 🌐 unicomet.github.io/Portfolio/ | 📞 +(52) 5653484266

Summary

I am a self-motivated software engineer graduate with 1 year of professional experience, who loves to learn and has a passion for software development to create things that are useful for people.

💼 Experience

Software Developer Intern at UAM's Accelerographic Network (Seismic Network)   **May 2023 - April 2024**
→ I migrated the frontend of the application from old technologies (CSS, JS and PHP) to more current ones (React with Typescript and Bootstrap 5).
→ I added maps using Google Maps API to display different custom maps.
→ I developed an API REST using Spring to store reports and seismic data in a MySQL database improving the performance of consults.

Volunteering at UAGRO Verde   **March 2019 – August 2019**
→ I set up a protocol for the collection of highly contaminated waste in my school at the high school and middle school level, to achieve this I talked to the directors and convinced them.
→ I helped to achieve the objectives of different ecological programs in Guerrero.

💡 Projects (Check my portafolio)

Gym management system
→ A management system for a gym that allows to register personal data from users, subscribe them to the gym and activities and manage their suscriptions.
→ Uses MVC architecture. Made with Java and Swing Framework.
→ Has a Web API REST made with Spring using a MySQL database.
→ Authentication made with Spring Security using a database and JWT.

Banking app
→ CRUD app Web that allow transactions for a bank
→ I implemented the frontend and backend with Java and servlets (JSP) with CSS.
→ Uses MVC architecture.

File Transfer with Replication
→ A file transfer where you can transfer files to a server using TCP
→ When someone has transferred a file, it is replicated in three servers using Multicast (UDP).
→ Has a UI made with Java Swing and backend made with Java 21.

Ecommerce API Rest
→ Implement CRUD operations in a SQL database (PostgreSQL) and authentication for users using JWT.
→ Made with Node.js.

MyBookmarks
→ An Android app to make your bookmarks of books.
→ Made with Android SDK using androidJetpack.
→ Uses MVVM Architecture.

Features:
→ Fingerprint authentication.
→ Data Persistency with Data Store with CRUD operations.
→ Uses Android Jetpack components like viewmodels, fragments and a recyclerview to show the bookmarks in an efficient way.

Random Word Generator
→ An Android app to give you words with certain initial letter.
→ I implemented recyclerViews for lists and navigation using one Activity and fragments with Navigation component. I used viewmodel for the data and learn about the lifecycle, viewmodels and fragments.
→ Made with Android SDK using androidJetpack.

🎓 Education

Universidad Autónoma Metropolitana – Azcapotzalco
Computer Engineering, B.S.   **2020- 2024**
→ I learned about programming, artificial intelligence, databases, mathematics and computer science.   **CGPA**: 91 out of 100 (3.7)

Colegio México (High School)
IT Technician   **2017 - 2020**
→ As a teacher's assistant, I taught preparation classes for the Mexican Math Olympiad, learning to communicate difficult concepts in front of groups of people.   **CGPA**: 89 out of 100 (3.5)
→ I learned about databases, programming, economics, mathematics and natural sciences.

Awards

State selected in Mathematics (Regional Contest of Basic Sciences of Bachilleres).   **2018**
→ I participated in the Mathematics category and achieved the highest score at the state level.

Participation in SEJUVE Scitech - Innovation in Science and Technology Contest   **2019**
→ I participated with the project called "HumediT", an economical and portable weather station to improve the farming of sensitive crops, such as coffee.   **2020**

Participation in the Latin American Innovation Rally

Programming languages

3 years Java, Kotlin
2 years Python, Javascript

Languages

English B2
Native Spanish

Courses

→ **Spring Framework**
→ **Spring Security**
→ **Spring JPA**
→ **Backend con Node.js: PostgreSQL**
→ **Algorithms and Data Structures**
→ **Patrones de diseño y arquitectura de software.**
→ **Machine Learning** by Stanford University
→ **Data Manipulation with Pandas and Numpy**
→ 30+ taken courses in Platzi softskills and hardskills

Technologies

Spring, JSON, Postman, Python, HTML, CSS, PostgreSQL, MySQL, REST API, Node.js, Github, Linux, Figma and Docker.

Hobbies

Competitive programming, personal finance, politics, science, reading, playing basketball and watching movies.