Juan Carlos Hernández Marín

Master's degree in computer science.

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Portfolio

ABOUT ME.

Throughout my studies, I have liked standing out in both academic and extracurricular activities. In engineering, the school activities in which I participated were programming contests within ITCM.

I also supported the logistics of programming courses, in addition to providing advice to classmates.

On the other hand, in extracurricular activities, be part of the selection of the ITCM American football team.

During my master's studies I participated in scientific research forums, and the publication of two scientific articles.

SKILLS

Programming:

- JAVA, C, PYTHON , JAVASCRIPT, CSS3, HTML5, POWERBUILDER, BOOTSTRAP 4

Databases:
- MYSQL, SYBASE, SQLSERVER.

Frameworks:
- REACT, FLASK

ACADEMIC TRAINING

Computer Systems Engineer
Technological institute of Madero city (ITCM)
2016

Master's degree in computer science
Technological institute of Madero city (ITCM)
2018

EXPERIENCE

Software project development (18 months)

SEICOM Madero Tamaulipas city in which I began to work in March 2019, I carry out the following activities.

Updating and development of software projects:

- ❖ Modification and creation of new validations.
- ❖ Modification and updating of system functionalities, forms and reports.

Database updates:

- ❖ Modification and creation of the table structure.
- ❖ Modifying and creating stored procedures.
- ❖ Modification and creation de los triggers.
- ❖ Modification and creation of queries.
- ❖ Update and report generation.

A web prototype was made with the following characteristics:
- ❖ Backend side CRUD operations using the FLASK server (Python).
- ❖ Uses MYSQL databases.
- ❖ On the Frontend side (React JS), catalogs were develop to show the information stored in the database, forms were also developed to consume the API developed in the Backend side.

A module to display graphs derived from the records stored in the database.
- ❖ Query operations on the backend (FLASK) side which receives as parameters dates to filter records in the database.
- ❖ The visualization of the frontend side was used the React framework and the library to draw the graphics was Canvasjs