

MIGUEL ANGEL CASTRO

Software Developer - 5 Experience Years

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Miguel Angel



SUMMARY

IT developer with extensive knowledge of software development using DEVOPS practices and specializing in backend development and management of development teams. I am passionate about programming and eager to learn using different methodologies, languages, libraries and frameworks for software development. I also know agile development with the kanban methodology using Asana as a project management software.

EDUCATION

Universidad Tecnológica de Torreón

TSU. TI ÁREA DESARROLLO DE
SOFTWARE MULTIPLATAFORMA
Sep 2019 - Sep 2022

ING. DESARROLLO Y GESTIÓN DE
SOFTWARE
Sep 2022 - Apr 2024

SKILLS

- Extremely organized and following standards
- Good teamwork
- Good communication with work teams
- Working under pressure
- Varied knowledge in software development and database technologies
- Experience in technical documentation generation
- Use of agile development methodologies
- Database decision making
- Critical thinking for problem solving
- Deploy servers with Windows and Linux operating systems
- Use of IOT technologies for Arduino and Adafruit development.

PROFESIONAL EXPERIENCE

Software Developer

Intergas Del Norte | May 2023 - Present

- 2nd creator of the 4th administration and finance system.
- Laravel and React Developer on Single Server
- Writer and maintainer of the technical documentation of the system
- Creator of multifunctional components
- Task organizer for the team
- Creator and analyst of SQL sentences for optimal data retrieval in optimal response times.
- Team coordinator for the distribution of activities depending on the difficulty for different developers
- Responsible for the deployment, use, and compilation of the application using Windows Server.
- Created solutions for the solution of various problems seen in the development of the system (development of field validation system, login system with dynamic database among other solutions using various development techniques).

Software Developer

Ditapps | Abril 2023 - Agosto 2023

- Development of a patient management system for radiography companies.
- Use of Laravel for the development of the project hosted on Digital Ocean using Linux.
- Development process management using Asana

Software Developer Jr.

SoliduSystem. | Abril 2022 - Mayo 2023

- Development of modules for various backend, frontend and mobile systems based on shipping transport, credit loans, holiday events, cab application.
- Management of Linux servers using Digital Ocean using security methods for server protection.
- Use and management of Asana web application for task management and administration.
- Use of MySQL and PostgreSQL databases.
- Multilanguage development (prioritizing JS in NodeJS)

Software Developer PHP

OLER Fumigaciones. | Mayo 2020 - Septiembre 2020

- Administrator of an inventory management

PROJECTS ACHIEVEMENTS

- The development of a dynamic database system in laravel using middlewares to be able to access different databases without the need to register them in the system enviroment saving the database configurations in an encrypted json file for later access.
- In addition to the above, I also developed an ORM system to be able to manage JSON files as if they were a database in order to be able to use the JSON connections to exchange the database according to the one the user wants to access.
- In react the development of own components which in addition to having a responsive design, also have intuitive properties for implementation also have debugging tools to perform tests and compile state values easily.
- Multiple authentication systems were implemented using QR codes, access codes by application and email, as well as authentication by location using known locations. All this was achieved by using user roles to define the type of authentication according to the logged in user using web sockets.
- A validation system was created using JS for a React project to avoid importing libraries and to be able to handle error messages in a more dynamic and easy way in the system.
- Secure server maintenance using the DigitalOcean provider using firewalls and VPN, in addition to the maintenance of these servers I was also in charge of lifting the hosting of these server services in order to deploy projects in the cloud to be visible online.
- I was in charge of migrating SQL statements from an old system to the new system in order to implement them in a more optimized way using an ORM to generate more agile processes.