



VLADIMIR JUAREZ

WORK EXPERIENCE

CIDESI

Jr. Project engineer | Jan. 2020

Digital Twin

Product with a SaaS platform that can contain all your principal medical information, in case of an emergency, the digital twin is a band with a QR, that you can read and be redirect to the public profile of a person, where critical information is displayed.

Actividades:

- Development of the webplatform as PWA, with Quasar that is a framework that wrappe Vue2, use of lazy loading for modules, use of the router, use of the store and advantages of that tool, and implementation of i18n for diffrent languages.
- Use of AWS Amplify to deploy the application.
- Use of AWS Cognito trough Amplify.js to protect the routes (use of boot files, and meta data of router page).
- Development of API with Serverless framework (with AWS) (partially envolved)
- Implementation of Guards in API endpoints with serverless, use of cognito userPool, only check trough ARN ID.

HENM Electronic Medical Record

ERP platform for a hospital, for medical appointment management, patient's clinic hostory, and administrative management.

Actividades:

- Development of the project structure in the front-end with Angular 8.
- Initial maquetation from the basic resources of the project (Layouts and components).
- Data Managment of the aplication by **NGRX** for a better performance an user experience
- Development of **directives, pipes and components**, for general porpose on the system
- **HTTP Interceptors** development for automatic add token to auth headers.
- **Guards** development for control the acces to the platform by the django permissions and roles management.
- **Djagno's** endpoints development.
- Development of routines in **Postgres**.

CONTACTS

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EDUCATION

Instituto Tecnológico de Veracruz

Mechatronic Engineer

Industrial Automation

Computacion del Golfo

2015-2016

Java Programming

Computación del Golfo

2014-2015



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Stackcode

Full-stack Developer | Feb. 2019 - Jan. 2020

DMI Platform

Enterprise platform for product management as spare parts, sales and rents of lifts tucks, and the company's quality actions. In this project I developed two modules, the Quality module and Spare part module. The last one was focus on the warehouse and the in stock products.

Activities:

- Develop interfaces
- CRUD operations
- DB manipulation by backend controllers
- Programming the send of emails
- Programming and manipulation of files in server
- Develop Policies for authorize endpoints for the API

Tools:

- SENS.js Stack
- Front end with **Angularjs** and bootstrap framework
- Consuming resources with \$resource object from angularjs
- Backend with **nodejs** and express framework
- Database in **MySQL**, manipulation with sequelize ORM
- Sessions by **Redis DB**

Hexagono panel

An IoT panel, specifically for the control and metrics of a watermeter develop by **Tecnologías Hexagono**.

Activities:

- Display the metrics of the water meters by specifics periods of time.
- Consume of resources of external **API**, provided for client
- Use of **google maps** and manipulation of those ubications.
- Use of **GeoJSON**

Tools:

- **Angular 5** framework
- Chart.js for dashboard
- Google Maps
- Mapbox.js

Electromagnetic Compatibility Lab | MABE TYP

Intern | Aug 2018 - feb 2019

Testing and Validation Method's Homologation for CISPR 14-1 Radiated Test

- Research about requirements of electromagnetic compatibility for households appliances
- Development of an app for validation support (Vue.js for the frontend <https://github.com/vladimirjv/CISPRvalidation>,
- Flask for backend (<https://github.com/vladimirjv/CISPRbackend>)

Growth and Opportunity Areas

As developer I've been focus on the front-end area, wich i'm realy comfort, however, i had the oportunity and enthusiasm to growth as a full stack developer, and the challenges that implies. In some point of my career i wish to growth as a project manager, because i think its a necessary role by the sofware development.