



## Fredys Jehiel Martinez Espinoza

Software Developer / Electrical Engineer

San Pedro Sula. Honduras



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## </> Skills

React

Javascript

React Native

HTML5

NodeJS

Bootstrap

CSS3

Express

Firebase

AVR

MongoDB

Arduino

EagleCAD

Fusion 360

English 100%

Self-Teach

3D Design

PCB Design

Objective Oriented



## About

My hobby has always been to create things, from small toys with Legos to real electronic gadgets for personal use. I'm always doing something; I always have a project in mind and a tireless intellectual curiosity. This penchant for creating and learning things has led me to teach myself to program electronics devices as well as web and mobile applications. My professional goal is to provide quality service, as a trustworthy leader who will do everything possible to keep production and innovation in optimal values. ***Always ready to solve problems using engineering, dedication and a lot of coffee.***



## Experience

### Turbine Operation Engineer

Bijao Electric Company S.A. de C.V.

09/02/2016 – 15/06/2016

- Ensure the reliable operation of a 35MW steam turbine and generator unit
- Attend and control of emergencies like homeloads, blackouts or operation failures
- Supervise the correct maintenance and operation of equipment during shutdowns

### Plant Operations Supervisor Engineer

Bijao Electric Company S.A. de C.V.

15/06/2016 – now

- Ensure the correct operation of all equipment on plant
- Supervise and assign tasks to field technician operators daily
- Plan and execute daily equipment field inspections
- Report and optimize production, consumption and performance values
- Create the Operations Manual for every equipment in plant



## Education

### Industrial Electrical Engineer

Universidad Nacional Autónoma de Honduras

01/02/2010 – 16/12/2016

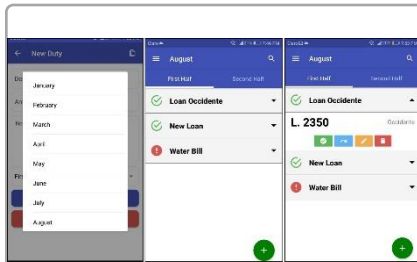
### NodeJS Developer

Udemy E-Learning

27/11/2018 – 25/08/2019



## Projects



### R-Tracker App

2019

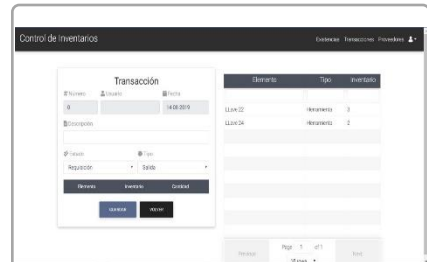
The R-Tracker stands for Responsibilities Tracker, is a simple personal tool to remember and keep track of all the pending bills every fifteen days. Created with React Native, Nodejs, Express, MongoDB.



### Oversight

2019

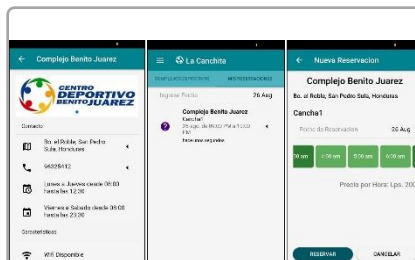
Oversight is a platform created to ease the administration of residential areas in Honduras thru a mobile-based app. I develop the app in React Native, Nodejs, Express and MongoDB. The web app was developed using ReactJS.



### Stock Control

2018

Stock Control is a web-based application to control the tool loans and material existence in the operations department local hardware store at Bijao Electric Company S.A. Created with ReactJS, MongoDB, Nodejs, Express, Bootstrap.



### Playgrnd App

2017

Playgrnd was a start-up project to create a platform for the reservation, rent and administration of mini soccer playing fields in Honduras. Created with Ionic4 and Firebase as backend. Web app developed in AngularJS



### Hymn MIDI Player

2017

The Hymn MIDI Player was developed as a standalone device to record, play, control tempo and pitch of hymns in local churches from Nicaragua. Rechargeable, Arduino Compatible. PCB designed in EAGLE CAD, Case designed in Fusion360 and 3D printed.