GABRIEL RODRIGUEZ

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Full Stack Developer with 7+ years of experience developing web and hybrid mobile applications and around 12 years working in the development of Information Systems. Self Taught and loving to code.

Technical Summary

- **Proficient in:**
    - Frontend languages: Angular, Javascript, html5, CSS.
    - Backend languages: NodeJS, REST API, cakePHP.
    - Programming languages: Javascript, , PHP, SQL.
    - Hybrid Mobile: Ionic 3 & 4, Apache Cordova.
    - Database systems: PostgreSQL, MySQL
    - Linux servers: CentOS, Ubuntu.
    - Geographic Information Systems: QGIS, PostGIS, Geoserver, Openlayers, leaflet, Google Maps.
    - Others: Wordpress, Joomla.
- **Familiar with:**
    - Cloud providers: Amazon AWS, Google Cloud Platform, Digital Ocean.
    - Collaborative tools: Git, Slack, Jira, Google suite
    - Software development methodologies: Scrum and Agile
- **Languages:** Spanish (Native), English (Intermediate).
- **Online profile:** https://gurodriguez.github.io/

Professional Experience

Cartelera Quintana Roo. Web App for   **Jul. 2019 - Sept. 2019**
the Oficialía Mayor of QRoo
Role: Project Lead.
IT Department Employee in the Quintana Roo Government.

I participated as the Project Lead of this web app at the Oficialía Mayor of Quintana Roo.This web app allows to the citizens know all the events organized by a public institution in their city.

The project consisted in developing a web page for presenting the public event information and developing an admin app for manage all the events..

To achieve this, it was necessary to do some tasks:

- Design and implementation of the database and the web app for presenting the information.
- Design the path and the process to follow by the personal of the institute to create and manage each good.
- Design the Admin process and app for manage the public events data.
- Design the public page.

Achievements:

- *Better Transparency.* With this web app the citizens can access an view who is selling goods and services to the Government.
- *Service always available:* Before this web app, suppliers had to go to the Government Department of suppliers in order to register as a valid provider, but nowadays, this web app provides all the process online, improving the productivity of the department and the service offered.

Technical Environment: Javascript, MySQL, PHP, Bootstrap, cakePHP.
Web App public link: https://cartelera.qroo.gob.mx/

Pedro's List. Mobile App for   **Aug. 2018 - March. 2019**
the Pedro's List Co.
Role: Full stack Developer.
Freelancer.

I participated as the full stack developer of the whole application, starting from the database and the backend REST API. This mobile application let the people (target: **expats)** find the right service provider based on what they need (carpenters, cleaners, plumplers, etc). For each service completed, the customer can make a review and depending of the grade granted the provider will receive a crypto tokens in his internal wallet, for achieve that I participated with a blockchain team in order to implement the process on the backend.

The mobile application was developed with Ionic 3 and as backend we use Loopback Framework . The exchange data was made through REST API.. The steps taken during the development of this project were:

- Design the app database
- Design and coding of the mobile application
- Configuration of the CentOS virtual server in Digital Ocean platform
- Publish the app on the mobile stores of Google Play.

Achievements:

- *Provides an app to the expats to find the right service at his phone.*

Technical Environment: Typescript, PostgreSQL, NodeJS, Loopback, Angular, REST API, Digital Ocean platform.
App link: https://play.google.com/store/apps/details?id=io.pedroslist.consumer

Suppliers Portal. Web App for   **Aug. 2018 - Dec. 2018**
the Oficialía Mayor of QRoo
Role: Project Lead.
IT Department Employee in the Quintana Roo Government.

I participated as the Project Lead of this web app at the Oficialía Mayor of Quintana Roo.This web app allows the register of the Government's suppliers in order to have an updated list of suppliers of differents goods an services.

The project consisted in developing a web page for presenting the public contract information in order to transparent the spends of the Government.

To achieve this, it was necessary to do some tasks:

- Design and implementation of the database and the web app for presenting the information.
- Design the path and the process to follow by the personal of the institute to create and manage each good.
- Design the Admin process for manage the public data.
- Design the Supplier's Page.

Achievements:

- *Better Transparency.* With this web app the citizens can access an view who is selling goods and services to the Government.
- *Service always available:* Before this web app, suppliers had to go to the Government Department of suppliers in order to register as a valid provider, but nowadays, this web app provides all the process online, improving the productivity of the department and the service offered.

Technical Environment: Javascript, MySQL, PHP, Bootstrap, cakePHP.
Web App link: https://proveedores.qroo.gob.mx/

PetKardex. PWA   **May. 2018- June. 2018**
for Servicios Veterinarios Integrables.
Role: Full stack Developer
Freelancer.

I participated as the developer of the PWA. This Progressive Web App provides the same user experience without installing an app from the official stores.

The app was built using Ionic 3 and it was connected to a REST API in CakePHP, and released only at a web Page but you can install it in your Mobile phone.

Achievements:

- *Customer and pet control*: This PWA allows the control of the customers and their pets in order to maintain an updated clinical kardex of each pet.

Technical Environment: Javascript, REST API, Ionic 3, PWA, Angular, cakePHP, Digital Ocean Platform.
Project Graphic Description: https://gurodriguez.github.io/#section_portfolio

Asesor Universal. Web App   **Feb. 2018- abr. 2018**
for Asesores Profesionales de PATT S.C.
Role: Full stack Developer
Freelancer.

I participated as the developer of the web app. This app allows the control of the insurance contracts and the customer contacts, manage since the new contract, throw all the profile up until the renew.

Achievements:

- *Better control*: This web app allows the   control of the customers and contracts of differents places,allowing the owner of Asesores Profesionales to supervise remotely the operations.

Technical Environment: Javascript, PostgreSQL, PHP, cakePHP, Digital Ocean Platform.
Project Graphic Description: https://gurodriguez.github.io/#section_portfolio

Todos Santos App. Promotional App   **June. 2017- Jul. 2017**
for the Todos Santos Town, BCS. , México.
Role: Mobile Developer
Freelancer.

I participated as the developer of the mobile app. This app shows the places for the people interested in visiting the town. Is a touristic app.

The app was built using Ionic 3 and it was connected to a REST API, and released only at the Google Play Store.

Achievements:

- *Promotions of the town*: This app allows the touristic promotion of Todos Santos App.

Technical Environment: Javascript, REST API, Ionic 3, Angular, Google Cloud Platform.
Project Graphic Description: https://gurodriguez.github.io/#section_portfolio

Public Contracts Portal. Web Page for   **Feb. 2017 - May. 2017**
the Oficialía Mayor of QRoo
Role: Project Lead.
IT Department Employee in the Quintana Roo Government.

I participated as the Project Lead of the web page at the Oficialía Mayor of Quintana Roo.

The project consisted in developing a web page for presenting the public contract information in order to transparent the spends of the Government.

To achieve this, it was necessary to do some tasks:

- Design and implementation of the database and the web app for presenting the information.
- Design the path and the process to follow by the personal of the institute to create and manage each good.
- Design the Admin process for manage the public data.

Achievements:

- *Better Transparency.* With this web page the citizens can access an view the spends in goods and services of the Government in detail or charts.

Technical Environment: Javascript, MySQL, PHP, Bootstrap, cakePHP.

Auction Catalog. Web App for   Nov. 2016 - Dec. 2016
the Oficialía Mayor of QRoo
Role: Full stack Developer and Project Lead.
IT Department Employee in the Quintana Roo Government.

I participated as the developer of the web app and Project Lead at the Oficialía Mayor of Quintana Roo.

The project consisted in developing a web app for presenting the catalog of goods for sale in an auction process. The catalog includes pictures, documents and descriptions of each good and the interested people could register online and view it.

To achieve this, it was necessary to do some tasks:

- Design and implementation of the database and the web app for presenting the information.

- Design the path and the process to follow by the personal of the institute to create and manage each good.

- Training about the system.

Achievements:
- *Better promotion.* By following the web app, the participants can see and search for an specific good in order to know more about and serves as an entry an promotional point of the auction process.

Technical Environment: Javascript, MySQL, PHP, Bootstrap, cakePHP.
Web App link: https://subasta.qroo.gob.mx/

Vicula ICAT. Web App for   Abr. 2016- June. 2016
the Training Institute for Work of QRoo (ICAT)
Role: Full stack Developer.
Geoman Consultores Agency.

I participated as the developer of the web app. This web app works as link between people whose take a training course at the ICAT and the employers searching for certificated people in order to work with them.

To achieve this, it was necessary to do some tasks:

- Design and implementation of the database and the web app for presenting the information.

- Design the path and the process to follow by the personal of the institute to create and manage each trained personal.

- Developing and implementing the Web App.

- Training about the system.

Achievements:
- *Better organization of the reports*: By following the process rules created, the workers were able to get a better organization of their work and better control about the employees.

Technical Environment: Javascript, Bootstrap, PosgreSQL, PHP, cakePHP.
Project Graphic Description: https://gurodriguez.github.io/#section_portfolio

Kanan. Web App for the UTRM of QRoo   **Apr. 2015- Aug. 2015**
Role: Full stack Developer
Geoman Consultores Agency

I participated as the developer of the Kanan Web App in the Riviera Maya University (UTRM).

The project consisted in developing a web application where the teacher manage their students and all the related information about lower grades in order to mentor here or him and not fail the in the final grade.

To achieve this, it was necessary to do some tasks:

- Design the web app with PHP and the structure of the database to manage the student's kardex.

- Design the web app with Bootstrap.

- Design the local database with MySQL.

- Configuration and startup of the Linux server where the database and the web app are located.

- Training about the system

Achievements:
- *Best control of students*. the teacher can control and improve the student's low grades by looking at the kardex, in order to prevent that students with lower notes quit from their classrooms.

Technical Environment: Javascript, Bootstrap, cakePHP, PHP, Mysql.
Project Graphic Description: https://gurodriguez.github.io/#section_portfolio

Cadastral Geographic System for the Felipe Carrillo Puerto   **Aug. 2015- Dec. 2015**
Municipality, Mexico
Role: Fullstack GIS Developer
Geoman Consultores Agency

I participated as the project architect in the design, development and implementation of the cadastral geographic system for the Felipe Carrillo Puerto Municipality, Chetumal QRoo,

The project was made up by several components: the GIS layers administrator, the cartographic web app, the geographic database. The overall job was to create the link and the business processes between the geographic layers and the administrative information in an automatic way. To achieve this, it was necessary to do some tasks:

- Design and implementation of the geographic database

- Design and implementation of the business process with cakePHP

- Design and implementation of the cartographic web app using geoserver.

- Configuration and startup of the Linux server where the database and the cartographic web app are located

- Training about the system

Achievements:
- *Consistency between the record of the cadastral database and the geographic database*: Every cadastral record must have its polygon that represent the reality in the territory.
- *Fast analysis and new indicators*: With the geographic part, it was possible to generate thematic maps with the location of the buildings whose taxes have not been paid. In the same way, it was possible to analyze what part of the city has more capital gain, among other analyses.

Technical Environment: PHP, cakePHP, HTML, CSS, PostgreSQL, PostGIS, geoServer, Javascript, Jquery, QGIS.

Patent Dashboard for the Ministry of Finance of QRoo   Apr. 2014- Dec 2014
Role: Web Developer
Geoman Consultores Agency

I participated as the developer of the Financial Statistics App dashboard for web browsers.

The project consisted in developing a web application where the CEO can review through graphics and numbers a summary of the situation of the tax payments, distribution of the commercial places, etc.

To achieve this, it was necessary to do some tasks:

- Design the web app with PHP and the structure of the database to get the summary of the all tables from the main system.
- Design the web app with Bootstrap.
- Design the local database with PostgreSQL and PostGIS

Achievements:
- *Big picture of the main financial indicators at any time*: The app updated the local database on the tablet and even if you do not have internet connection, it is now possible to consult the information.

Technical Environment: Javascript,, Google Maps, Bootstrap, cakePHP, PHP, Mysql, REST API
Project Graphic Description: https://gurodriguez.github.io/#section_portfolio

SIGIAN. App for the Environmental Inspectors of   Aug. 2014- Oct 2014
the Institute of Protection of the Environment of QRoo
Role: Full stack Developer
Geoman Consultores Agency

I participated as the developer of the web app for the Institute of Protection of the Environment of Quintana Roo.

The project consisted in developing a web cartographic server where the people of that office could consult the location of the place where the inspectors were reviewing. This allowed the CEO to look at the map the location of these places and get the information about the report made.

To achieve this, it was necessary to do some tasks:

- Design and implementation of the geographic database and the web app for manage the information.
- Design the path and the process to follow by the personal of the institute to load their files and reports
- Install and configure the Linux server where the database and the cartographic web app are located
- Training about the system

Achievements:
- *Better organization of the reports*: By following the process rules created, the workers were able to get a better organization of their work.
- *Big picture of the work*: Using the cartographic web server, the directors and the CEO could see the location of the places where an inspection was done and its reports.

Technical Environment: Javascript, PostgreSQL, PostGIS, Google Maps, Javascript, PHP, cakePHP..
Project Graphic Description: https://gurodriguez.github.io/#section_portfolio

SIGNO. Web App using by the delivery men of   June 2013- Dec. 2013
the Court of QRoo
Role: Full stack Developer
Geoman Consultores Agency

I participated as the developer of the web app for the Court of Quintana Roo.

The project consisted in developing a web app where the people of that office could manage the deliveries of the court citations and the Web App generate the best delivery route.

To achieve this, it was necessary to do some tasks:

- Design and implementation of the geographic database and the web app for manage the information and routes.
- Design the path and the process to follow by the personal of the Court to manages their citations.
- Install and configure the Linux server where the database and the cartographic web app are located
- Training about the system

Achievements:

- *Better deliveries:* By using the web App the employees increase their productivity in the deliveries of citations.
- *Better organization of the reports*: By following the process rules created, the workers were able to get a better organization of their work.

Technical Environment: Javascript, PostgreSQL, PostGIS, Google Maps, PGRouting, PHP, cakePHP..
Project Graphic Description: https://gurodriguez.github.io/#section_portfolio

Inventory of water infrastructure for   May. 2012- Oct 2012
the Water Commision of QRoo
Role: Full stack Developer
Geoman Consultores Agency

I participated as the designer of the web app for the Water Commission of Quintana Roo.

The project consisted in developing a web app server where the people of that office could manage the infrastructure related with the water system of the city. This allowed the employees to look at the map the location of these infrastructure and get the information about the report made.

To achieve this, it was necessary to do some tasks:

- Design and implementation of the geographic database and the web app for manage the information.
- Design the path and the process to follow by the personal of the institute to manages their infrastructure and reports
- Install and configure the Linux server where the database and the web app are located
- Training about the system

Achievements:

- *Better control of the inventory*: By following the process rules created, the workers were able to get a better control of the all infrastructure.
- *Better organization of the reports*: By following the process rules created, the workers were able to get a better organization of their work.

Technical Environment: Javascript, PostgreSQL, PostGIS, Google Maps, PHP, cakePHP..

SEIGEM. Web App of women statistics at   **Oct. 2011- Dec 2011**
the Woman Institute of QRoo
Role: Full stack Developer
Geoman Consultores Agency

I participated as the designer of the web app for the Woman Institute of Quintana Roo.

> The project consisted in developing a web app in order to display a dashboard that contains statistics and charts about the women's access in different areas like politics, health care and education.

> To achieve this, it was necessary to do some tasks:
> - Design and implementation of the database and the web app for manage the information.
> - Design the path and the process to follow by the personal of the institute to load their files and reports
> - Install and configure the Linux server where the database and the web app are located
> - Training about the system.

Achievements:
- *Better understanding of the women access to the services and the public life.*

Technical Environment: Javascript, PostgreSQL, PHP, cakePHP.
Project Graphic Description: https://gurodriguez.github.io/#section_portfolio

SIDEOL. Web App for Human Resources Department at   **May. 2009- Oct 2009**
the Oficialía Mayor of QRoo
Role: Full stack Developer
IT Department in Quintana Roo Government.

I participated as the developer of the web app for the Oficialía Mayor of Quintana Roo.

> The project consisted in developing a web app for manage the profiles of more than 8,000 employees, including salary, resumes, documents and pictures of each one.

> To achieve this, it was necessary to do some tasks:
> - Design and implementation of the database and the web app for manage the information.
> - Design the path and the process to follow by the personal of the institute to load their files and reports
> - Install and configure the Linux server where the database and the web app are located
> - Training about the system

Achievements:
- *Better organization of the reports*: By following the process rules created, the workers were able to get a better organization of their work and better control about the employees.

Technical Environment: Javascript, MySQL, PHP, cakePHP.

Education

Bachelor's Degree in Computer Sciences   **1999-2003**
Anahuac Mayab University, Mérida, Yucatán, México.

Additional Courses

- Web Developer full-stack with Symfony 3 and Angular 2, Udemy   **2017**
- Ionic 3 - Build iOS, Android & Web Apps with Ionic & Angular. Udemy   **2018**
- Angular & NodeJS - The MEAN Stack Guide. Udemy   **2018**
- Docker, de principiante a experto. Udemy   **2019**
- English language, Harmon Hall   **2019**
- Google Launchpad - BBVA Bancomer / Blockchain. Mexico City   **2019**