

Magdiel Rivero González

Phone:

+5353019906

Email:

mriverog86@gmail.com

LinkedIn:

<https://www.linkedin.com/in/magdiel-rivero-gonzalez-85b04569/>

Personal webpage / online CV:

<https://mriverog86.github.io>

Skills

Software development



Project management



PHP/Symfony



PostgreSQL



Git/GitLab



C#/.Net Framework



Java



Next.js/React



Languages

Spanish



Italian



English



Chinese



Summary

Full Stack developer with more than 13 years of experience in the software sector. Proficient in technologies such as PHP, Symfony, PostgreSQL, C#, .NET Framework, Javascript, HTML and CSS as well as other related ones. Experienced in software development for web and desktop environments, over Linux and Windows as well as performing in various roles including project management. Now starting with React and related technologies.

Employment history

Senior Developer: Specialist B in Software Application Development, Information EICMASOFT.SURL. Havana, Cuba

[Apr. 2024 - Up to the present](#)

- Development of web applications for the agriculture field using PHP, Symfony, PostgreSQL, Jasper Reports. Continuous deployment on virtualized servers with Proxmox using GitLab, Apache or Nginx as web server. Use of the SXP methodology. Support and maintenance of deployed applications.

Lead Developer: Superior Specialist A in Software Application Development (Superior Expert), Information Technology and Communications Company of the Cuban Ministry of Agriculture (EICMA). Havana, Cuba

[Abr. 2017 - Abr 2024](#)

- Lead a team of approximately 10 specialists, review and approve work plans, evaluate the performance as well as presenting results reports.
- Development of web applications for the agriculture field using PHP, Symfony, PostgreSQL, Jasper Reports. Continuous deployment on virtualized servers with Proxmox using GitLab, Apache or Nginx as web server. Use of the SXP methodology. Support and maintenance of deployed applications.

Senior Developer: Specialist C in Software Application Development, Information Technology and Communications Company of the Cuban Ministry of Agriculture (EICMA). Havana, Cuba

[Apr. 2016 - Apr. 2017](#)

- Development of web applications for the agriculture field using PHP, Symfony, PostgreSQL, Jasper Reports. Continuous deployment on virtualized servers with Proxmox using GitLab, Apache or Nginx as web server. Use of the SXP methodology. Support and maintenance of deployed applications.
- Support and maintenance of legacy applications, developed in Java and PostgreSQL.

Professional Practice Professor, University of Informatic Sciences (UCI). Havana, Cuba

[Sep. 2010 - Jun. 2012](#)

- Guidance and supervision of college students during their involvement in productive projects as part of their professional practice.
- Diploma thesis tutoring.
- Development of a video surveillance system over .NET Framework and C# and then started its migration to Qt.



Education

Confucius Institute of Havana, Havana, Cuba

Certificate of Studies, Chinese language, 1st year.

University of Informatic Sciences (UCI), Havana, Cuba

Engineer's degree, Jul. 2010.

Projects

Project Management System (ProyAdmin)

2019 – 2024

- Custom tool for controlling issues and tasks. It allows creating reports of time dedicated by each specialist by project and by task. It also allows to upload the necessary evidence of the fulfillment of the tasks as well as the procedures carried out during their execution.
- Web application developed in PHP and Symfony using PostgreSQL as database and JasperReports for reporting.

System for the Control of Agroforestry Production (SisCafé)

2016 – 2024

- System for the management of coffee production, used by all the coffee producing companies of the Cuban Ministry of Agriculture's Agroforestry Group (GAF). It controls all the processes: Agrotechnics, Production and Harvest, providing abundant reports.
- Support for the desktop version developed in Java in the role of programmer.
- Implementation of a new Web version developed in PHP and Symfony using PostgreSQL as database and JasperReports for report creation. First in the role of project manager and finally fully assuming completion, deployment and support.

Cuban Ministry of Agriculture's Single Window

2021 – 2022

- Business process modeling and catching requirements for the development of the Ministry of Agriculture Single Window.

Cuban Ministry of Agriculture's Industrial Registry

2019 – 2022

- Application for the registration and control of the industrial infrastructure subordinated to the Cuban Ministry of Agriculture.
- Web application developed in PHP and Symfony using PostgreSQL as database and ApiPlatform for the development of the API for integration with a Geo-referencing tool. Performing the role of Project Manager together with a Developer and an Analyst.

System for the Control of Tobacco Production (Tabaprod)

2019 – 2022

- Application developed for the Cuban Ministry of Agriculture's Tobacco Group (TABACUBA) to control tobacco production. It manages all the agricultural and pre-industrial fases: cultivation, land area usage balance, contracting, harvest and benefit of the product.
- Web application developed in PHP and Symfony using PostgreSQL as database. Playing the role of Project Manager directly involved in the programming along with three other developers and one analyst.

Cuban Ministry of Agriculture's Webpage

2021 - 2022

- Requested by Cuban Ministry of Agriculture Department of Institutional Communication.
- Developed using WordPress and Maria DB and following the design provided by the client. Performing the Project Manager role along with two developers.

Balance of Use, Tenure and Legality of Land (SIBUT)

2019 - 2020

- Application developed for the Cuban Ministry of Agriculture's Land Control Department to carry out the annual balance of land use and the existing illegalities by every single land tenor, be it a natural or a legal person.
- Web application developed in PHP and Symfony using PostgreSQL as database. Performing the roles of Project Manager and Architect. Database replication in PostgreSQL and integration with the Cuban Ministry of Agriculture Land Tenure Registry, primary source of land tenure data.

Cuban Ministry of Agriculture's Visitor Control

2019

- Application for guests visits to the Cuban Ministry of Agriculture building authorization and planning. As well as access control.
- Web application developed in PHP and Symfony using PostgreSQL as database. Update to a new version from an existing one, redesign of the graphical interface. Performing as Project Manager.

Cuban agricultural sector affidavits registering tool (Agronat)

2018 - 2019

- Application developed in collaboration with the Cuban National Tax Administration Office (ONAT) to register the DJ-12 affidavit model for the agricultural sector.
- Web application developed in PHP and Symfony using PostgreSQL as database.

Cuban Ministry of Agriculture's Inspectors Registry

2018 - 2019

- Application developed for the Cuban Ministry of Agriculture's Inspection Directorate. This tool allows to manage the registration, enabling and disabling of inspectors who work in the agricultural sector. As well as the issuance of the identification cards for those inspectors.
- Web application developed in PHP and Symfony using PostgreSQL as database. Performance as Project Manager together with two developers and one analyst, programming directly in the inspector's identification card design.

Cuban Ministry of Agriculture's Citizen Complaints Management System (Poblasoft)

2017-2018

- Application developed for the Cuban Ministry of Agriculture Independent Department of Attention to Citizens. It is the tool for receiving, monitoring and responding to the proposals and complaints made by the people. Citizens can make their proposals and complaints through the assistance offices, in writing, by phone, by email, through social networks or directly using this application. These issues, regardless of the way they are received, as well as the documentary evidence provided by the citizen, are registered in the tool then tracked and answered.
- Web application developed in PHP and Symfony using PostgreSQL as database. Maintenance and support to the previous version and development of a new one.

Cuban Ministry of Agriculture's Forestry Registry

2017 - 2018

- Application developed for the Cuban Ministry of Agriculture's Forestry Directorate as part of the informatization process of the public and administrative registries of this ministry. This tool makes it possible to manage the registration of facilities related to forestry activity in the country, as well as the issuance and revocation of operating permits. It is designed to process registration applications from municipal, provincial and national level according to the responsibilities at each level.
- Web application developed in PHP and Symfony using PostgreSQL as database. Update to a new version from an existing one, redesign of the graphical interface, sanitization and migration of the database.

Cuban Ministry of Agriculture's Commercial Varieties Registry

2017 - 2018

- Application developed for the Cuban Ministry of Agriculture's Directorate of Seeds and Phytogetic Resources as part of the informatization process of the public and administrative registries of this ministry. This tool allows to manage the registration and cancellation of plant varieties approved in the national territory according to the varietal policy approved.
- Web application developed in PHP and Symfony using PostgreSQL as database. Update to a new version from an existing version, redesign of the graphical interface.

Commercialization System (SC Frutas Selectas)

2017

- Application developed for the Commercialization Company of Agricultural Products "Frutas Selectas" for managing the orders and contracting of products to satisfy the needs of the clients through the available commercialization companies.
- Web application developed in PHP and Symfony using PostgreSQL as database. Update to a new version from an existing version, redesign of the graphical interface, debugging and refactoring the code and redesign of the database.

Prismedia Catalog

2014 - 2016

- Application for the cataloging of films and tv series. Designed for a digital contents shop, it allows to keep track of customers and implements a license control system based on a hardware key identifier.
- Implemented using .Net Framework, C# and SQLite as database manager.

Suria SIV video surveillance system: Video recording module

2014 - 2016

- Video surveillance system based on IP cameras. Implemented with the .NET Framework using C# as programming language and PostgreSQL as database manager.
- Implementation of the video recording module that is made up of several components: Recording Service, Recording Client, Configuration Tool, Storage Monitor Service, Storage Monitor Client and recording plugins.

Cassandra Lite

2006 - 2007

- Lightweight viewer of medical images, is a portable application that is placed together with the images of the imaging study on a CD or DVD that is given to the patient. It allows quickly viewing of images in DICOM format in stations that do not have the Cassandra PACS system viewer. It also allows you to perform some common operations such as measurements, application of filters and palettes on the images. Developed using C++ .NET, the MFC libraries and the DCMTK library for reading DICOM images.
- Doing the graphic interface design, image processing and code merging.
- This is the first version of the portable viewer for the Cassandra PACS system, this system changed its name to Alas PACS and is currently known as XAVIA PACS-RIS.