YENIER JIMENEZ

Software Engineer - Web Developer

PROFILE

I'm Yenier Jimenez, a dedicated software engineer with a proven track record of creating innovative and user-centered systems. My passion lies in Web Development and ensuring quality software. During my career, I have contributed my knowledge in various areas of software development and my projects have had a tremendous impact on the teams with which I have worked.

I'm a follower of standardized development, code patterns, and clean designs, and feel committed to a collaborative environment that enhances robust software.

I am constantly seeking opportunities to grow and learn, whether by taking on new challenges or collaborating with diverse teams. My goal is to drive innovation and ensure businesses achieve their potential.

CONTACT

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MAIN SKILLS

PHP (v5.x, v7.x, v8.x). Expert PHP programmer since 2006. Experience migrating legacy PHP5 systems to PHP 7.4 & PHP 8.3.
Symfony. Expert developing web applications using PHP/Symfony as development framework.
Unit Testing: PHPUnit & Codeception
MySQL/PostgreSQL. Experience using MySQL and PostgreSQL as relational databases for projects with extensive business logic.
PostgreSQL. Experience using PostgreSQL to manage geofenced data.
Redis. Experience using Redis as cache layer for performance improvement, ETL Implementations.
Object Oriented Programming. Expert in object-oriented programming. Prized for clean designs, robust codes, and respect for the open closed principle. Experience in proper use of design patterns.
RUP/Scrum. Experience using project management frameworks and software development methodologies for project management. Experience using Jira.
JavaScript (ES6) + CSS3 + Bootstrap: Experience in JavaScript Development using modern JS implementations. Experience using modern CCS3 on website styles. Adopted mainly Bootstrap in web application styles.
jQuery. Usage of jQuery on projects in conjunction with Symfony/Twig. Experience on the creation of jQuery object-oriented modules.
ReactJS/NextJS: Experience inserting ReactJS on legacy web applications. Experience developing a ReactJS frontend using NextJS as framework.
GIT/Gitlab/GitHub: Experience adopting modern and organize git branching strategies. Experience using GitHub and Gitlab.
PHP-Beanstalkd: Experience implementing background PHP tasks to perform asynchronously features executions. E.g: ETL, reporting offload.
Supervisord: Experience controlling the execution of background tasks using Supervisord. Creation of a design to replace cronjob using Supervisord event system.
ReactPHP: Experience improving PHP tasks executions by this library.
PHP Stripe: Experience creating customs implementations of Stripe API for E-Commerce systems.
RESTful API/Open API Specification v3: Experience adopting OpenAPI to guide the creation of RESTful API.
Docker: Experience creating dockized web development environments.
Azure: Experience using Azure services for file transmissions and asynchrony task executions.
Proficient on Linux Administration: Ubuntu/Debian/Centos.
Information Management Systems: Expert developing systems to manage information through the web.
Work environment: Proficient on working under pressure and managing workflow on multiple projects concurrently. Proficient on maintain legacy systems. Excellent teamworking.
Component-based Software Development. Experience developing generic systems and customs solutions based on them.

PROFESSIONAL EXPERIENCE

SOFTWARE DEVELOPER AT SONNY'S ENTERPRISES INC. - CONVEYORIZED CAR WASH EQUIPMENT LEADER.
2019 – 2024, Tamarac, FL, USA.

- Development of an integral BackOffice web application to manage car wash business. The web solution can automate all areas of the car was industry. It helps operators streamline their car wash operations anytime, on any device. Also, it has integrations to pay stations, license plate recognition systems.
- Development of built-in marketing tools to automate marketing efforts and reporting system using PHP/Symfony, MySQL, Redis, Beanstalkd & Supervisord, jQuery.
- Development a custom ETL solution to improve heavy reports. It was implemented using PHP & Redis. It added a cache layer to the reports system for report performance improvement.
- Creation of a custom data-offloading implementation to run heavy reports. It allows to build a report by pieces in background. It was done by using Beanstalkd jobs for queuing jobs (report pieces) and Symfony Command Applications to implement the workers executing the jobs or tasks.
- Usage of Unit Tests to certify the correct execution and design of the web systems. It was used a custom PHPUnit and Codeception implementation.
- Usage of Azure Cloud Services to perform integrations task.
- Development of a subsystem to authenticate/authorize applications in Azure Active Directory.
- Development of a subsystem to manage files in Azure Blob Storage Service.
- Development of a subsystem to manage topics/queues to create interoperability with internal services and systems via Azure Service Bus.
- Creation of an Internal PHP RestApi, based on OpenApi v3 specifications, for sharing and processing information between internal systems. We provide to internal systems those selected features of the BackOffice.
- Adopted SCRUM as a project management framework and Jira as project management software to organize the development process.
- Usage of a very organized Git branching strategy.
- Creation of a low-level schedule tool to monitor RabbitMQ queues used by a POS. Is done by a Symfony command making use of PHP and Supervisord instead of cronjob.
- Improvement of a Car Wash Tunnel Administration system. Using PHP, it was implemented a communication between a web application and RabbitMQ to manage PLC functions through a web interface.
- Using PHP, it was implemented a Beanstalkd background-task metric manager to analyze the performance of those task in order to eventually take action over those slow jobs/tasks and workers implementations.
- Development of an online store to sell car wash products by Sonny's clients. It's built using PHP/Symfony, MySQL, Redis, Beanstalkd, and jQuery.
- The store manages the purchases made by its customers. It was created a PHP/Rest API to manage car wash product purchases. The API is built based on OpenApi v3 specifications.

SOFTWARE DEVELOPER AT OPERATION CPG LLC
2023 – 2024, Denver, CO, USA.

Design, development, and deployment of Operation CPG website. ReactJs and NextJs were used to build the web site frontend. PHP/Symfony was used to build the backend to provide the website information. Additionally, it was developed using Symfony a support web application to manage the information to present on the Operation CPG website.

WEB DEVELOPER AT CIRCULARNOMICS LLC
2021- 2022, Longmont, CO, USA.

Development of Circularnomics website, a web application to educate the public and investors about the Next Industrial Revolution. The application was built using PHP/Symfony, jQuery, ReactJS, and MySQL. The following tasks were performed:

- Stripe API Implementation was created using PHP to process payments and subscriptions.
- Creation of an email notification subsystem to manage client notifications.

- Creation of a BackOffice system to manage Circularnomics web application. The following technologies were used: PHP/Symfony, MySQL, Redis, Beanstalkd & Supervisord, jQuery, RactJs, HTML5, and Bootstrap v4.
- Usage of Docker and GIT in the development process.

- Administration of a GNU/Linux (Centos) webserver to deploy the systems.

FULL STACK WEB DEVELOPER AT PROEXPERT LLC
2017 – 2018, Miami, FL, USA.

The following task were performed:

- Development of a BackOffice system to manage home and building inspections using PHP/Symfony, jQuery, and MySQL. The system contained a task manager module, information management modules, and invoice generators.
- Development of WikiLiciel, a web application to manage existing software documentation using PHP/Symfony, jQuery, and MySQL. The system manages the user interface documentation of the Liciel software.
- Maintenance of legacy Liciel software built using PHP/Symfony.

WEB APPLICATION DEVELOPER AT ALR SOLUCIONES
2015 – 2017, Havana, Cuba.

The following task were performed:

- Front-end development using AngularJs (v1.4). The front-end development was part of the development of an Information Management Systems.
- Improvements to an Information Management System using PHP/Symfony v2.x1.
- Logalty Management System Improvements using PHP/Symfony v2.x1. Front-end development using AngularJs (v1.4) to handle Logalty Management System data. 2. Logalty Management System Improvements using PHP/Symfony v2.x.

Full Stack Developer and General Specialist at University of Informatics Sciences
2010 – 2015, Havana, Cuba.

The following task were performed:

- Improvement of GeneSIG, a platform to create Geographic Information Systems (GIS). The platform was built using PHPv5 and PostgreSQL. It contains the core functionality for mapping and geo-information representation.
- Web mapping, I+D using open technologies. The main technologies used to develop GIS(s) were PHP, MapServer, ArcGis, and OpenLayers.
- Development, using PHP, of new GIS features and modules to manage geo-referenced information.
- Geo-informatics Technologies Professor at the University of Informatics Science.
- Development of Information Architectures of web applications.
- Development of a tool to automate Card Sorting Technique for labeling web application Graphic User Interfaces. The tool was built using Java. The grouping algorithm selected to be implemented was K-Means.
- Development of Geographical Information Systems for many Cuban institutions:
  - Workers Transportation System: A fleet control system used by the University of Informatics Sciences
  - ALBET Engineering and System S.A: A system to manage the geo-referenced information of software development projects managed by the company.
  - Cuban AZCUBA Business Group: A system to manage the geographical distribution of the sugar production in Cuba.
  - Cuban Ministry of Information and Communications: A system to manage the geographical information generated by the ministry.
  - Cuban National Bureau of Statistics and Information: A system to map the offices responsible for generating statistical information.
  - Cuban National Bee Research Center: A system to control the national bee and honey production.
  - Cuban Ministry of Superior Education: A system to map important geographical information generated by the ministry.

  - Cuba Seismic Research Center: A system to map the seismic movements in the region.

     o Cuban LABIOFAM Business Group: A system to manage the geographical information generated by the group.

EDUCATION

Bachelor of Science at University of Informatics Sciences.
Sept 2005 - Jul 2010, Havana, Cuba.

- Member of web development teams and programming competitions.
- 2007 Honorable Mention Award in the CHC61, the IEEE Computer Society Web Programming Competition for the work "History of Collaborative Tools on Internet".
- Member of Cuban Geological Society.
- Member of Cuban Linux Community
- Member of Cuban PHP & jQuery community.
- Information Architecture design by development of Card Sorting Technique tools.

PATENTS

As a member of Geographic Information Systems development projects in PHP, three systems were patented:

- **Registration No CU 294-2012, Issued Feb 13, 2012.** Jiménez Morales, Yenier. Health-GIS v1.0, National Center Copyright – Cuba.
- **Registration No CU 295-2012, Issued Feb 13, 2012.** Jiménez Morales, Yenier. SIG-Routes v1.0, National Center Copyright – Cuba.
- **Registration No CU 296-2012, Issued Feb 13, 2012.** Jiménez Morales, Yenier. Geographic Information System for the Ministry of Informatics and Communications. National Center Copyright – Cuba.