

CAROLINA MANEL ROMERO

SR PHP APPLICATION DEVELOPER

Expert Application Developer and hard worker, skilled in all phases of the development cycle. Notable strengths include implementation and post-implementation, support, and troubleshooting. Great people skills --Comfortable working directly with decision makers and stakeholders.

SOFTWARE & PROGRAMMING SKILLS: PHP 8.*, Symfony 6.*, JavaScript, jQuery, AJAX; Grunt, Gulp; Shell script; RESTful web services; HTML5; CSS, Sass; Vagrant, Docker; Jenkins; Ansible; Behat, PHPUnit; Git; MYSQL, Maria DB; Linux; WordPress, Pantheon, AWS.

PROFESSIONAL EXPERIENCE

Application Programmer III, University of California at Irvine - UCI, School of Biological Sciences.
Apr 2018 – Current

As the sole developer for the School of Biological Sciences, I am responsible for creating custom applications for various departments within the school, including The Student Affairs Research Dashboard, The Excellent in Research Dashboard, and The HR Faculty Appointments Dashboard; these applications are developed using Symfony 5.4. Additionally, I operate the 46 websites in a WordPress Multisite running in Pantheon including the main Dunlop BioSci Main School Website, ensuring the security and optimal performance of the school's main website, as well as those of its four departments, numerous laboratories, and initiatives.

Technologies: PHP, Symfony 5.4, Jenkins, Ansible, Behat, PHPUnit, Webpack, Composer, npm, Sass, WordPress CLI, Pantheon Terminus, AWS developer tools (Elastic Beanstalk, CodePipeline, CodeCommit).

Application Programmer, University of California in Irvine - Office of Information Technology Information Security Department, IAM group.

Oct 2017 - Apr-2018

Identity & Access Management (IAM) PHP Refreshment project for the Identity and Access Management team within the Central Services Division of the IT Security and Architecture Technology & Operations Group. The project involved migrating application programs from PHP 5.* to 7, which includes coding, troubleshooting, testing with test suites, and documenting the process. I was also responsible for implementing automation deployments using Ansible playbooks and migrating repositories from SVN to Git.

Technologies: PHP, Ruby on Rails, Shell scripting, Vagrant, Ansible, Behat, PHPUnit, MySQL, Git, PHP7cc, SVN.

Xeno Media Inc, Oakbrook IL.

Feb 2015 - July 2017, Website Developer

As the leader of the WordPress SaaS project at Fermilab National Laboratory (a division of the US Department of Energy), I worked directly with clients to provide Website solutions and development,

including coding, troubleshooting, debugging, testing, and code reviewing, as well as integrating different APIs, developing custom plugins for WordPress, and deploying theme releases. Additionally, I implemented Mailchimp newsletter integration for local and international campaigns in the laboratory. I worked closely and collaborated with the Fermilab Computer Security Department to ensure the code met security best practices. See fnal.gov, news.fnal.gov, events.fnal.gov.

Other Projects:

- As leader of the D211 project I did the performance optimization and hardening of 8 websites for [School District 211](#) in Palatine, Illinois.
- Developing custom modules for the migration of Drupal v6 to v7 of Energy Frontier Research Center (US Department of Energy). See energyfrontiers.us

Technologies: PHP 7, Shell scripting, Jenkins, jQuery, AJAX, MariaDB, WordPress, Drupal, Bootstrap, Git, Sass, Grunt, PHPUnit, Behat, Pantheon.

Website Developer, Augeo Affinity Marketing, Naperville IL

Jul 2013 - Feb 2015

As a website developer for a marketing company in Naperville, IL, I was responsible for developing, implementing, troubleshooting, and operating Augeo's membership and rewards systems. This involved assessing the marketing team's requirements and implementing solutions that met company standards. Additionally, I migrated and implemented Augeo's custom management system to allow for future expansion and I coded solutions to integrated credit cards payments. I used PHP, MYSQL, jQuery/AJAX, HTML5, CSS3, Bootstrap, Less, API's and RESTful Web services.

Kelly Services, Contract project for Advocate Health Center, Mount Prospect IL.

Apr 2013 - July 2013, PHP Developer

New development "DemandTrack" Console for Advocate Health Care Logistic Center: Plan and develop an application that interfaces with the ERP database of a major hospital network to enable improved management of medical supplies in the patient-care environment. The application analyzes supply transactions and applies a range of conditions and values to the data to enable hospital staff to effectively manage large numbers of supply bins. All back-end written in PHP/MYSQL, jQuery, AJAX, JavaScript, JSON, CSS.

Website Developer, Freelancer, Aurora, IL.

May 2009 - Jun 2013

Design and develop various websites for small businesses. Using PHP-MYSQL, HTML, jQuery, JavaScript, CSS, Adobe Photoshop, Image Ready, CSS, CodeIgniter, WordPress and Joomla.

Software Engineer, Gedas (now T-Systems), Puebla Mexico www.t-systems.com.mx

Oct 2000 - Feb 2002

Software Engineer for the project LOGROS (migration of the logistic applications of Volkswagen of Mexico to SAP). I was responsible for batch interfaces between Legacy applications and SAP. This project involved:

- Design of new interfaces with SAP to be developed in UNIKIX Jobs, PRO-C Scripts, C++ programs and Oracle-SQL.
- Designed Analyzed, defined, and documented requirements for data, workflow, and logical processes.
- Worked closely with the development team to develop interface programs.
- Performed advanced quality testing (unit and integration testing) of the processes, checking specifications, user cases, executing and monitoring jobs and browsing data files.
- Responsible for ensuring that the team of programmers fulfilled the standards of quality of the company

Software Developer, Gedas (now T-Systems), Puebla Mexico www.t-systems.com.mx

May 1997 - Oct 2000

Application developer, main client: Volkswagen of Mexico, performing advanced application development activities, including:

- Coding, testing, debugging, documenting, maintaining and modifying several Client-Server applications for Windows NT and UNIX, using object-oriented technologies (Galaxy, C++/C, OMT and Rational Rose) and Oracle DB, SQL.
- Developing and modifying several Unix and Unix Shell Scripts to maintain batch processes. Develop PRO*C scripting programs to load high-volume Databases.
- Performed high quality testing with Test Director and CM/Continuous.
- Documentation of every program to follow the Standards of quality of the company.

VOLUNTEER

Chair of the University of California Systemwide Women in Tech Committee (UC WiT)

Sep 2023 – Sep 2024 ([UC WiT](#))

Dream: Get Educated! Board member and Website developer and STEM coordinator

Oct 2012 – July 2017 <https://www.daretodreamlatinas.org/>

AWARDS

- Recipient of the [Applause](#) Program from Women in Tech (UCI WiT).
- Named one of the [40 leaders](#) by my Alma Mater, the Universidad del Valle de Puebla (UVP) in my hometown Puebla, Mexico.

EDUCATION BA Computer Science ~ Universidad del Valle de Puebla ~ Puebla, México, 1997