# Luis Alfonso

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# Senior PHP/JavaScript Full Stack Engineer

# Professional Summary:

* 7+ years of extensive experience as a **PHP/JavaScript Full stack Engineer** with solid understanding of database designing, development, and installation of different modules in **PHP, JavaScript, LAMP, WAMP, Drupal 9, Drupal Headless, Joomla,** **Symfony, WordPress, Zend CodeIgniter, Cake1 PHP and Laravel Frameworks** theming, as well
* Expert working with cutting edge front-end frameworks and libraries like **AngularJS, ReactJS, NodeJS, jQuery, JSON, AJAX, and Restful services.**
* Expertise in Web Application development using **PHP** with **OOPs, MySQL, MS** **SQL Server,** X**HTML, REST, AJAX, CSS, Flash Action Script 3.0**, **XML and DOM.**
* Expert in Developing and maintaining application back end using **PHP**, **Symfony2**, **MySQL**, **DQL**, **Doctrine**.
* Hands on experience in Web Application development using **VueJs, HTML, CSS, JavaScript, jQuery, AJAX, and JSON.**
* Expert in working with **UI/UX Design technologies**, front - end technologies/ framework and libraries like Sketch, Photoshop, Illustrator, Invision, Balsamiq, Dreamweaver, Flex, Wireframes, Prototyping, jQuery, **Prototype, HTML, DHTML, JavaScript, ES6, Clojure, JSON, CSS, XML/XSLT, AJAX.**
* Experienced in working with Apache, IIS web servers and **GITLAB.**
* Experienced in WEB and GUI development using **HTML, DHTML, XHTML, CSS, JSP, JavaScript, jQuery**, **DOJO, POJO, AJAX, JSON** technologies.
* Solid experience in developing Single Page Applications (SPAs) with **ReactJS and Redux using React**- router and ES6.
* Experience and building an isomorphic application using **React.js and Redux with GraphQL** on server side.
* Experience in Optimizing PHP LMS monolith queries to improve system performance.
* Designed and developed Applications in all the major versions of the **PHP5 and worked with XAMPP, WAMPP**, and **LAMP** environments.
* Wrote module to import users and event content from old site into new Drupal site.
* Excellent experience in **Oracle Database, DB2, JDBC, PL/SQL, MS SQL Server, My SQL Server, MongoDB.**
* Experience **in Database proficiency (MySQL, PostgreSQL, MongoDB) for efficient data management.**
* Experience working in various Software Development Methodologies like **Agile, Waterfall, SCRUM and TDD.**
* Expertise in integrated environment for java such as **Eclipse, MyEclipse, RAD, NetBeans, ClearCase and VSS**.
* Experience in developing and implementing Web Services using **SOAP, WSDL**
* Experience with **Core Java and J2EE** using most of the advanced features of Java including Spring, Hibernate, iBatis, **JDBC, Struts, EJB, Servlets.**
* Created single page applications using **OAuth** login/firebase.
* Experience with new web technologies like **React.JS, Redux, Loads, Babel, ES6**
* Performed mobile testing on the mobile web and **React Native apps**.

# Full-Stack PHP Development:

# Proficient in PHP with advanced OOP concepts, creating maintainable apps.

# Expertise in PHP frameworks (Laravel, Symfony, Zend, CakePHP, CodeIgniter.), delivering

# scalable solutions.

# Experience in Optimizing PHP LMS monolith queries to improve system performance.

# Skilled in RESTful APIs, enhancing communication between frontend and backend.

# Database proficiency (MySQL, PostgreSQL, MongoDB) for efficient data management.

# Frontend skills: HTML, CSS, JavaScript, Angular, ReactJS, Vue.js.

# Git mastery for collaborative code management, CI/CD pipeline automation.

# Cloud (AWS, Azure) expertise, building adaptable and fault-tolerant apps.

# Testing (PHPUnit, TDD), security (XSS, SQL injection), and performance focus.

# Containerization (Docker) and server admin skills for streamlined deployment.

# Agile methodology leadership, driving efficient project execution.

# Frontend Development:

# Frontend tech: HTML5, CSS3, JavaScript, jQuery for interactive designs.

# Frameworks (Angular, ReactJS, Vue.js) for sophisticated frontends.

# UI frameworks (Bootstrap) for responsive, appealing interfaces.

# Responsive design for diverse platforms, UI/UX understanding.

# Performance optimization, information architecture expertise.

# Integration with PHP frameworks, cross-functional collaboration.

# Build tools (Webpack, Gulp), state management (Redux, Vuex).

# Testing, accessibility (WCAG), PWA development proficiency.

# Version control (Git), awareness of frontend trends.

# Testing and Test-Driven Development:

# Diverse testing methodologies, PHPUnit for PHP.

# TDD principles, CI (Jenkins) for code quality.

# API and web service testing (Postman, SoapUI).

# Performance testing, debugging, security and vulnerability testing.

# Test documentation creation and agile testing participation.

# Testing in various environments (staging, production).

# Adaptation to testing tech and trends.

# Domain-Driven Design and Design Patterns:

# DDD application with layered architecture.

# Design patterns (MVC, Singleton, Factory, etc.).

# Microservices, Event-Driven Architecture for scalability.

# SOLID principles, clean code, domain modeling.

# Testable code creation, architectural reviews.

# Collaboration with stakeholders, mentoring on design patterns.

# Web Security:

# Web security principles, mitigation of vulnerabilities (XSS, CSRF, SQL injection).

# Secure authentication, authorization mechanisms.

# Secure coding practices, handling user input securely.

# Secure deployment practices, security audits.

# Compliance with GDPR, HIPAA, educating teams about security best practices.

# Technical Skills:

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| **Web Technologies:** | JavaScript, HTML 5, CSS 3, jQuery, AJAX, DOM, bootstrap Js, Angular Js, Node.js, JSON, React.js, Type Script. |
| **Web Services** | SOAP, REST, API’s, GraphQL |
| **Languages** | PHP 5.x, Perl, SQL, Python, MYSQL, C++, C |
| **Frameworks** | Symphony, Zend, PEAR, CodeIgniter, Laravel. |
| **Web Design** | Dream weaver 8, Notepad++, CMS Frameworks |
| **Applications/ Tools** | MS Office, MS Visual Studio, MS office, Blender, Dream Weaver, Git, Adobe Flash, |
| **Web Servers** | WAMP, LAMP, XAMP |
| **Databases** | MySQL, DB2, MongoDB, Oracle, SQL Server, Postgres SQL. |
| **Software** | Net Beans, Eclipse |
| **CMS** | WordPress, Drupal7/8 and 9 Drupal Headless, Joomla, Zend |
| **Operating Systems** | Windows, Linux, UNIX, Ubuntu |

**Professional Experience:**

**Client: Buildpeer, Remote. July - 2022 – Present**

**Role: PHP/JavaScript Full stack Engineer**

**Responsibilities:**

* Developed energy management and monitoring web applications using **PHP and Laravel** framework.
* Collaborated with cross-functional teams to define and implement application features and enhancements.
* Integrated third-party APIs and services for real-time data collection and analysis. Implemented data visualization using charting libraries to provide intuitive representations of energy usage.
* Utilized CodeIgniter framework for rapid development of smaller-scale projects and prototypes.
* Conducted unit testing with PHP Unit, ensuring code correctness and reliability.
* Worked heavily on **Laravel Framework** and developed various **custom modules**.
* Developed front end template using **Laravel’s Blade Templating Engine**.
* Demonstrated a solid understanding of best practices for Laravel and Web services.
* Designed enhancements to an existing Laravel and implemented those designs.
* Worked in MVC frameworks like **Laravel and CodeIgniter** as well as e-commerce web environments such as **agile Development**.
* Implemented and upgraded various **Laravel modules.**
* Integrated Vue.js-developed front-end components into Symfony **apps**, resulting in dynamic and interactive UIs
* Worked the backend by using Node.js, **Express JS, PostgreSQL, SQL, and MongoDB.**
* Wrote data mutations in GraphQL which allows users to update their username and password information.
* Built administrator page displaying profile information in **React.js and GraphQL.**
* Deployed and host the application on **Amazon web service (AWS**).
* Created Mock Services and data to quicken front-end development while anticipating **RESTFUL APIs** tube developed.
* Created single page applications using **OAuth** login/firebase.
* Packages and Triggers on databases like **MySQL, PostgreSQL, Oracle, and DB2.**
* Worked on AEM interface Customization for both **Classic UI and Coral UI (Granite UI).**
* Hands-on experience in developing container-based applications using tools such as Docker.
* Developed web application using **MongoDB,** Express, **React / Redux, Node JS and GraphQL.**
* Installed the application on AWS EC2 instances and configured the storage on S3 buckets.
* Implement the JavaScript/jQuery frameworks such as **React JS, Node JS for MVW/MVC framework**.
* Experience in caching and load balancing in **AEM dispatcher**
* Involved AWS Elastic Beanstalk for deploying and scaling web applications and services developed with Java and Node.js and Docker on familiar servers such as Apache.
* Implemented **HTTP REST API** using NodeJS and extensively tested **RESTful services using POSTMAN.**
* Architected the frontend solution using **React, Relay and GraphQL**. Lead the UX and design outsourced teams helping with product ideation to creation. Services for Nordstrom (Node.js, Immutable.js, RxJS, Chai).
* Worked with unit testing of JavaScript applications using Karma, Jasmine.
* Used Jenkins pipelines to drive all micro services builds out to the Docker registry and then deployed to Kubernetes, Created Pods and managed using Kubernetes.
* Created an on-premises CI/CD solution using Jenkins and the Pipeline plugin which uses pipeline as code.
* Used Pandas API to put the data as time series and tabular format for local timestamp data manipulation and retrieval and storing it into MongoDB.
* Experienced with AWS cloud platform and its features, which includes **EC2, S3, ROUTE53 VPC, EBS, AMI,** SNS, RDS and cloud watch.
* Export and Import Database level or Schema level by using SQL Loader.
* Extensive experience in database designing, reporting using MySQL, Oracle, SQL Server
* Proficient in PHP with advanced OOP concepts, creating maintainable **apps.**
* Managed datasets using Panda data frames and **Oracle-SQL,** queried Oracle-SQL database queries from python using **Python-Oracle-SQL** connector and Oracle-SQL dB package to retrieve information.
* Developed Docker container based micro services using Spring Boot and deployment on Kubernetes cluster.
* Worked **on AWS EC2/VPC/S3/SQS/SNS** based on automation Terraform, Ansible, Python, Bash Script.
* Web development frameworks, for example: **ASP.Net, .NET.**
* Hands-on developer who will contribute to all aspects of software development life cycle with a focus on UI/UX/Java development.

**Environment**: PHP (Laravel, Symfony, CodeIgniter), JavaScript (ES6+), HTML/CSS Database Management (MySQL, PostgreSQL), RESTful APIs Version Control Systems (Git), Type Script, Test-Driven Development (TDD), Object-Relational Mapping (ORM), (Doctrine) Front-End Frameworks (Vue.js, React), Server Administration (Linux, Apache, Nginx), Agile/Scrum Methodology Problem- Solving and Troubleshooting Strong Communication and Collaboration Skills.

**Client: Odoo Inc, San Francisco, CA May 2020 – June 2022**

**Role: PHP/JavaScript Full stack Engineer**

**Responsibilities:**

* Involved in complete SDLC life cycle - Designing, Coding, Testing, Debugging and Production Support.
* Worked on React.JS components, Forms, Events, Keys, Router, Animations and Redux concept and React- Native applications.
* Involved in designing and developing web pages using **Vue JS, HTML 5, CSS3, JavaScript, Odoo SH, Bootstrap, SASS,LESS, React.js, Redux, Flex, Node JS, Mongo DB.**
* Programmed the Business level logic in **PHP using Symfony MVC framework.**
* Used all aspects of PHP Programming (object oriented PHP), Zend Framework in LAMP environment.
* Worked with the Database Schema design and normalization for databasex accessed by the procedural PHP pages.
* Implemented features like logging, user session validation using Laravel.
* Built and configured servers, **Linux with Ubuntu, Apache, Laravel/**Composer using Vagrant for different stations of testing and managing **MySQL Database servers.**
* Wrote Automated Unit Tests for new and existing features with **PHP Unit.**
* Migrated data from CodeIgniter to Laravel versions and Involving in development of new features as enhancements
* Provided a fast and powerful router that maps route callbacks to specific HTTP request methods and URIs by using Slim.
* • Added plenty of plugins to expand its features for increased productivity and convenience by using **PHP Storm.**
* Engineered and sustained intricate **web apps** utilizing the Symfony framework, while ensuring compliance with coding norms and superior methodologies.
* Experience in maintained the states in the stores and dispatched the actions using redux.
* Implemented React.JS components, Forms, Events, Keys, Router, and Redux concept.
* Converted the mock-ups into hand-written **HTML5, XML, CSS3, JavaScript and JSON.**
* Worked with MySQL which includes configuration, query optimization, full-text search indexing and de-normalization Expert in handling the administration of MySQL database using PHPMyAdmin.
* Used Ajax, JSON to send request to the server to check the functionality of the websites.
* Developed applications using Angular and Bootstrap.JS like Grids, Toolbars, Panels, Combo-Box and Button etc.
* Designed database backup and restoration strategy for Postgresql.
* Used Express.js to connect Node.js to Database MongoDB and wrote schema.
* Creation of REST Web Services framework for the management of data using **Apache CXF.**
* Designed and developed Node.Js and REST application to expose **API's** to external clients.
* Developed UI website prototypes in Bootstrap that are responsive.
* Developed prototypes with **VueJs, Laravel,HTML5, JavaScript and CSS** for a customer support application utilizing the bootstrap framework.
* Conduct UX planning and strategy on several key **UX**.
* Executed Section 508 compliance checking of web sites.
* Aided developers and interpreted Section 508 technical standards.
* Formulated Section 508 compliance reports.
* Familiar with GIT, Jenkins, Gulp, Web Pack, Sauce Labs, SonarQube for source control, deployments, and continuous integration.

**Environment:** PHP, Laravel, PHPStorm, Composer, Slim, CodeIgniter, JavaScript, HTML5, CSS, React, Redux, Ajax Bootstrap, Angular, Java, SQL, PostgresSQL, MongoDB, Rest, Node.JS, Type Script, Express.JS, nginx, GitLab, Phpunit , Selenium, SonarQube, Chrome Developer Tools, Jenkins, AWS, Docker, Kubernetes, TeamCity, XML, JSON, Jira, Linux, Unix, Mac, Eclipse, Agile, Scrum.

**Client: I-TX Corp, Laredo, TX March 2018 – April 2020**

**Role: PHP/JavaScript Fullstack Engineer**

**Responsibilities:**

* Designed and created the web architecture of the system based on the internal company workflows.
* Implemented complex data visualizations using D3 and High charts.
* Responsible for creating web-based applications using **JavaScript (ECMAScript 6**), React JS and Redux workflow.
* Used Scrum Agile methodology that included iterative application development, weekly Sprints, stand up. meetings and customer reporting backlogs
* Built single page application with modules, reusable components, forms using **React JS**
* Prepared the code for Angular 2 update.
* Cloud (**AWS, Azure**) expertise, building adaptable and fault-tolerant **Power apps**.
* Created a **PHP REST API** that allowed data to be received and sent from and to other services.
* Created a Vue.JS web application for internal users to use on all operations of the company.
* Maintained the system's PHP automated script jobs to work completely autonomously.
* Worked alongside other developers to implement coding best practices.
* Improved the structure of the codebase.
* Increased code coverage by extensive unit testing to prepare the product for continuous deployment.
* Ensured cross-browser compatibility.
* Defines site objectives by analyzing user requirements, envisioning system features and functionality.
* Have experience with JIRA to assign tasks and follow up with user stories.
* Used **Type Script, AngularJS, VueJs,HTML5, SCSS, and Java Script** as front-end technologies to develop the portals.
* Used GIT as Version control tool.
* Implemented all UI modules for the product using JavaScript, AJAX, and JQuery.
* Created Angular JS modules and services to consume web API's for loading data securely using session based application.
* Experience in implementing cross-browser stylesheets and using **React UI components like GRID** and Flexbox
* Designed Web pages with JSON and used **JSON validation controls and JavaScript** for validating user inputs.
* Used **AJAX and JSON** in implementing presentation layer.
* Obtained user data with analytics reporting, task analysis, and participatory design techniques and leveraged that data to create iterative improvements, increasing user satisfaction by 20%.
* Created interactive designs for complex web applications by way of page/user flow diagrams, site maps, and interactive wireframes in Pidoco.
* Conducted UX research by interactively testing designs using high and low fidelity prototypes.

**Environment**: PHP, Laravel, MySQL, HTML5, CSS, Bootstrap, MVC, JQuery, JavaScript, Vagrant, PHPUnit, Composer, PhpStrom, Type Script, AWS Elastic Bean Stalk, Web AIM WAVE, W3C AAA, SmartGit,Drupal 6/7/8, Bugzilla, WordPress, MySQL, MongoDB, VPN, YII, Spring Boot, Zend, WCAG, Laravel 5.1, PHP7.2, XML, GitHub, HTML5, Linux, Java script, AJAX, CSS3, MySQL, LMS, API's

**Client: Base 22 LLC, Monterrey, Nuevo León, Mexico January 2017 – February 2018**

**Role: PHP/JavaScript Fullstack Engineer**

**Responsibilities:**

* Assisted in designing, creating, and developing web portals.
* Built the web Application from scratch using PHP.
* Identifying and solving issues caused by plug-in or feeds under **PHP, MYSQL, HTML, CSS, JavaScript and JQuery Technology.**
* Setup testing environment for Unit Test as well as Front end testing using PHP Unit, Selenium test cases.
* Designed and programmed web based applications and provided maintenance to existing apps using PHP and it framework (CodeIgniter) and **MySQL.**
* Created application layout/user interface by using standard **HTML, and CSS**
* Involved in writing application level code to interact with **APIs, Web Services using AJAX, REST, JSON and XML**
* Designed the page using **Bootstrap and some custom CSS.**
* Created various Angular.JS directives, controllers, DOM, expressions, templates, data binding, etc.
* Developed core modules in large cross-platform applications **using JAVA, J2EE, and Hibernate.**
* Involving with installation and maintenance of MongoDB for high availability.
* Created web pages using **VueJs,HTML5, CSS3, JavaScript, jQuery, Ajax, and Angular JS.**
* Created graphics including Icons, Images and logos using Adobe Flash Catalyst
* Created appropriate concept models, site organization prototypes, navigation, page layouts and interaction.
* Developed HTML prototype documents with **CSS Style Sheets**
* Designed dynamic client-side JavaScript codes to build web forms and simulate processes for web applications, page navigation and form validation using jQuery and JavaScript.
* Created new static model pages with cross browser compatibility features.
* Created and implemented SQL Queries, Stored procedures, Functions, Packages and Triggers in SQL Server
* Created required Views, Indexes and Clusters.
* Worked on PHP programming, including OO, procedural, data structures and design patterns.
* Wrote PHP codes to interact with the third party JSON services to provide an easy to configure web service server interface.
* Written JQuery Validations for the User Front-ends.
* Created DOM for datasets. Worked with datasets in JSON format. The datasets are collected from back end server PHP file using API and these datasets are then rendered on front end using HTML, DHTML and CSS
* Designed report previews for PDF and Excel using **SQL Stored Procedure**
* Created triggers for calendar-based database events.
* Created packages to do complex aggregations on large volumes of data and loaded the aggregated data into reporting tables in data maps.
* Created React JS components using JSX, followed FLUX design pattern for unidirectional data flow.
* Extended Java controllers back-end and HTML front-end views of already existing codebase for the operating client’s web applications.

**Environment**: PHP, Drupal, UI, HTML5, XHTML, CSS, LAMP, AJAX, JSON, JavaScript, MySQL, JQuery, Carousel, Windows, Apache, MVC Frame Work, CSS3, AngularJS, Word press, AddShoppers, JIRA, SASS, Apache Web Server, Magento, Oracle, Stack Zend PHP, Kinetix Technology, Herndon

**Education Details:**

**Bachelor of Science in Computer Science and Technology Engineering**

**Tecnológico de Monterrey**

**Monterrey, Nuevo León, Mexico**