

# Jorge Barrios

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## Sr. PHP/Web Developer - Software Architect

Dedicated, results-oriented professional Developer, Network Administrator and Architect who is creative in identifying and designing effective solutions to meet and improve overall operations. Proficient in front-end, back-end and APIs operations development. Intuitive analytical ability to attain network system and application level solutions. Project management proficiency including analysis, design, development, implementation, documentation and evaluation.

## Technical Skills

**Languages:** PHP 5 using OOP, C, C++, Java, JavaScript, SQL, Assembly language.

**Web Technologies:** Ajax, jQuery, jQuery UI, jQuery Mobile, JSON, CSS, XHTML, HTML5, XML, XSD, XSL, XPath, YUI, Google Code, Bootstrap.

**Architectures and Standards:** Web2.0, RIA, SaaS, SOA, CBA, XML Web Services, SOAP, WSDL, REST, RNG, RNC, XML-RPC, Android, OAuth 2.0, RWD Responsive Web Design.

**APIs:** PayPal, eBay, Amazon, Yahoo, Google, Authorize.net, Facebook, Twitter.

**Administration:** LAMP, Linux/Unix and Windows Servers, CISCO, Apache and IIS Web Servers, Database Servers and Internet Services (DNS, SMTP, POP, IMAP, SSH and FTP), Versioning SVN, CVS, GIT.

## Qualification Summary

- \* Senior PHP Programmer (15+ years)
- \* Network Analysis and Administration
- \* Web Site and Mobile Development
- \* Systems Application Software
- \* System Architect and API Design
- \* Network Design
- \* E-Commerce Systems
- \* Systems Design and Development

## Professional Experience

**EPE (edweek.org), Miami, FL (Sep, 2012 - Apr, 2014)**

### **Software Developer**

Architected, designed and coded the entire API with RESTful using JSON, JSONP, XML and RSS as the service provider to the mobile application and third parties as B2B. Implemented OAuth 2.0 as server and client to provide authorization for internal and external clients. Linux installation, server migration and administration for Apache, PHP, MySQL, PostgreSQL, Tomcat, SVN, GIT, SSH, SFTP, DNS, VPN, Jira, Confluence, WordPress, users administration, etc. **Skills Used:** PHP with OOP, MySQL, REST, XPath, RSS, JSON, JSONP, JavaScript, jQuery, Ajax, HTML5, CSS3, OAuth 2.0, Linux Administration.

**TourInfo System, Long Beach, CA (Feb, 2009 - Aug, 2012)**

### **Software Developer**

Redesigned Tourinfosys.com to be compatible with XML Web Services, improved the security leveraging Plaser, developed a mobile friendly interface and an Android application that integrates itself with the services provided. **Skills Used:** PHP with OOP, Java, Android SDK, MySQL, Plaser, Linux Administration, XML Web Services, SOAP, REST, XSD, WSDL, XSL, XPath, JavaScript, YUI3, jQuery, jQuery UI, jQuery Mobile, Ajax, JSON, HTML5 and CSS3.

**SOA House (Service Oriented Architecture), Miami, FL (Mar, 2006 - Feb, 2009)**

### **Lead Developer**

Architected, designed and coded Frontiz.com (former EasyBilling.com), a Rich Internet Application (RIA) for small businesses management with Invoice, Payments, Customers, Products and Services, Vendors, Staff, Timesheet and Projects. It is based on Software as a Service (SaaS) and Service Oriented Architecture (SOA) backend with PHP5 as the main programming language. **Skills Used:** PHP with OOP, MySQL, Plaser, Linux Administration, XML Web Services, SOAP, REST, XSD, WSDL, XSL, XPath, JavaScript, YUI, Ajax, JSON, RSS, DHTML and CSS.

### **TourInfo System, Long Beach, CA** (Sept, 2005 - Mar, 2006)

#### **Technical Director of the Information Technology**

Created an XML-based web content management system (Tourinfosys.com) that allows management and complete operations of tours and travels backend with PHP5 and databases that uses more than 100 related tables. **Skills Used:** PHP with OOP, MySQL, Linux Administration, XML, XSL, XPath, JavaScript, HTML and CSS.

### **Ministry of Public Health, Havana, Cuba** (Jan, 2001 - Aug, 2005)

#### **Chief Architect**

Architected and led an outstanding team to implement the whole system of healthcare in Cuba which uses hundreds of XML Web Services, everything interconnected through WSDL, SOAP using Plaser framework and PHP5 as the backend programming language. Held conferences on the benefits and uses of XML Web Services at the Informatics Sciences University of Havana, Cuba and at the Medical School of Sao Paulo, Brazil. **Skills Used:** PHP with OOP, MySQL, Plaser, Linux and Windows Server Administration, XML Web Services, SOAP, REST, XSD, WSDL, XSL, XPath, JavaScript, DHTML and CSS.

### **INTELCAN, Canada** (Feb, 2000 - Nov, 2001) - Freelance

#### **Application Developer**

Designed and coded several interfaces between different communication protocols to be integrated in a unique control systems governing industrial air conditioners and fire alarms. **Skills Used:** C, C++ and Assembly language.

### **Cybernetics Applied Medicine Center, Havana, Cuba** (Oct, 1994 - Jan, 2001)

#### **Director of IT Department**

Responsible for all aspects and decision making for the Information Technology. Primary role consisted of introducing and managing personnel in the development of Computer Based Training (CBT) as well as multimedia software. In 1996, responsible for the introduction and interface of CBT with Web for daily use for medical university. In 1997 I started developing on PHP, MySQL, HTML, CSS and JavaScript. Lecturer at University of Medicine for Masters Degree curriculum.

## **Education**

### **Master of Science in Computer Science**

*Havana University, Cuba*

### **Bachelor of Science in Electrical and Telecommunication Engineering**

*ISPJAE - Havana Institute of Technology, Cuba*