

## JORGE A. GARCIA

**OBJECTIVE** Obtain an application / database / GIS developer position in which strong .NET, SQL, and GIS technical knowledge and skills, as well as good understanding of Internet and Intranet applications will be utilized to benefit a progressive organization.

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**SKILLS & ABILITIES** Experience in multiple industries, such as Oil & Gas, Computer Manufacturing/Distribution, Home Building, Education, and Human Resources

Advanced knowledge of writing SQL, Views, Stored Procedures, and User-Defined Functions in Microsoft SQL Server 2008 – 2012

Developed PL/SQL Procedures, Functions, and Packages in Oracle

Developed ASP.NET Web Applications using VB.NET, C#, and JavaScript

Developed ASP.NET Web Services using WCF and Web API methodologies

Worked with JavaScript frameworks such as jQuery, Dojo, Knockout, Ext JS, and jQWidgets

Familiar with deploying a multi-tier application in a server farm

Understanding of working with GIS systems such as GeoServer 2.8 and ArcGIS Server 10.x

Developed Web Map applications using third-party application libraries, Bing Maps, OpenLayers, ArcGIS JavaScript, and Leaflet

Developed Geoprocessing services using Model Builder and ArcPy for ArcGIS Server

Familiar with developing workflow Web Services using Windows Workflow Foundation

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### EXPERIENCE

#### **INSIGHT GLOBAL**

April 2017 - Present

Develop and support GIS analytical applications for clients using ArcGIS Portal and Web AppBuilder. Create and manage several Portal widgets, including widget to create workflow jobs and perform custom routing activities. Develop widget component to allow users to edit features via a Web application. Web editing includes the ability to select other features to either clip from or join to an existing polygon. Widgets integrate heavily with ArcGIS geometry and feature services. Develop geoprocessing services used by Web front end to show routing engine results on map interface.

**GIS TECHNICAL LEAD, THE INFORMATION STORE, INC.**

July 2014 – January 2017

Architect GIS solutions using a wide variety of third-party tools and services for Oil & Gas companies. Installed and configured GeoServer for use in company's Quick Value Assessment application of O&G field resources. The GeoServer hosted Web Map Services used to display imagery on map surfaces based on data uploaded into a geospatial database. Integrated a third-party contouring engine into an ASP.NET C# Web Service so engineers can generate structure and isopach contour maps based on O&G exploration data. Used several libraries, such as Esri, OpenLayers, and Leaflet, to create Web map apps for clients to view O&G data geospatially.

**SYSTEMS ANALYST, MCGUYER HOMEBUILDERS, INC.**

December 2012 – July 2014

Develop Web application pages and services for displaying and updating home building process data. Responsible for writing interfaces to supply vendors with data via ASP.NET and WCF Services. Designed and published custom reports using SQL Server Reporting Services to display information downloaded from an AS400 ERP system. Provided ASP.NET Web application development and integration of Live Chat third-party software for home buying marketing site.

**TECHNICAL PRINCIPAL, THE INFORMATION STORE, INC.**

January 2007 – November 2012

Configure "Digital Oilfield" solutions for various business units of oil and gas companies. Responsible for data analysis and implementation of mashup Web Services and data access providers. Visualize data using proprietary charting technology running on top of Microsoft SharePoint Server 2007. Also, used Microsoft Virtual Earth for presentation of digital oilfield with platform production, drilling analysis, as well as asset and employee management during hurricanes. User interface often involved presentation and retrieval of data using various AJAX technologies. Responsible for resource management and solution deployment on client's infrastructure.

**APPLICATION DEVELOPER, PRIORITY IT, INC.**

November 2005 – December 2006

On assignment at Hewlett-Packard Company. Design and guide implementation of commerce hub engine used to track and report on customer data center inventory. Solution involves using Microsoft BizTalk Server 2006 for all business logic processing and Web Services for integration with external and internal applications.

Designed and developed on a prototype receiver application that used Windows Workflow Foundation for all business rule processing.

Responsible for creating project timelines and assigning tasks to other developers.

All projects were managed using the Team Foundation Server and Visual Studio 2005 for Team Systems.

**APPLICATION DEVELOPER, PRIORITY IT, INC.**

August 2004 – September 2005

Develop and maintain a threat analysis application (ASTA) for the Application Security team. The ASTA application consists of an ASP.NET front end that communicates to a SQL Server 2000 database. Information is collected and run through a security assessment filter to determine level of security compliance. ASTA was developed as an example for avoiding web security risks such as SQL injection and cross-site scripting.

Integrated a third party scanning service, SPI Dynamic's Assessment Management Platform (AMP) and WebInspect, with ASTA. Integration included writing Windows services to pull data from ASTA database and scheduling scans with AMP. Results from scans were also imported from AMP into the ASTA database via another Windows service.

Developed a sample Web Service enabled ASP.NET Web application using WSE 2.0. Authentication for Web Service communication uses username token credentials and signature to verify the caller. Also used policy definition to verify and enforce SOAP messages.

#### **TECHNICAL ARCHITECT/DEVELOPER, RECRUITMENT ENHANCEMENTS SERVICES**

June 2002 – August 2004

Heavily involved in the development of a three-tier ASP.NET application for external clients as well as internal recruiters. Development involved a web client for the presentation layer, web services as the data access layer, and SQL Server 2000 stored procedures for retrieving and updating information in the database. Development also included backend integration with other applications using BizTalk Server 2002. The system incorporated role-based security for each module, link, button, and text displayed to an authenticated user.

#### **E-COMMERCE DEVELOPER, PRIORITY IT, INC.**

November 2001 – June 2002

On assignment at Compaq Computer Corporation. Main responsibility included migration of pilot Microsoft ® BizTalk Server 2002 solution to a production enterprise infrastructure solution. Was able to discover many pitfalls and implement solutions quickly. Other responsibilities included rewriting ASP intranet site using ASP.NET, C#, and ADO.NET. The intranet site had to rely on Windows authentication for security authorization and profiling. Wrote web services to query data from SQL Server database for reporting purposes.

#### **LEAD INTERNET DEVELOPER, SOURCE NETWORK CORPORATION**

May 2000 – October 2001

Responsible for configuring BizTalk Server to act as integration engine for several companies. Duties involve creating ports and channel, writing custom pipeline and preprocessor components, transforming document formats using BizTalk Mapper utility, creating document schemas using BizTalk Editor, writing adapters for backend integration with SQL Server databases, and simplifying the creation of ports and channels via a web UI using the BizTalk Configuration Object Model. Support development and maintenance of multi-lingual, secure extranets and supplier web sites using ASP, COM, SQL Server 2000, and XSLT. Supplied mentoring assistance to new developers. Develop web forms using Microsoft ASP.NET to maintain prospect management system.

#### **INTERNET SPECIALIST I, COMPAQ COMPUTER CORPORATION**

June 1998 – December 1998

Responsible for planning and testing Microsoft's Site Server 3.0 Personalization and Membership directory for an e-commerce Internet site. Used a combination of Active Server Pages, Visual Basic 6.0, and Microsoft's Active User Object (AUO) to create a dynamic, database table-driven, highly customizable web site.

#### **APPLICATION DEVELOPER IV, UNIVERSITY OF HOUSTON**

June 1992 – July 1998, December 1998 – May 2000

Responsible for creating an Oracle database table driven UNIX Korn Shell scheduling system with a GUI front end. Used PowerBuilder 6.0 to develop the client software, while using UNIX Korn Shell and SQL\*Plus scripts to run scheduled server side processes. Also, worked with clients to develop a very dynamic ad-hoc report writing system to process on demand client report requests. Migrated several client/server applications to an Intranet solution using Microsoft's IIS 4.0 and Active Server Pages. Involved in heavy Oracle 8 PL/SQL and PowerBuilder reporting development for Development Office.

#### **APPLICATION DEVELOPER III**

Create client/server applications using Microsoft Access, PowerBuilder 5.0, and Microsoft SQL Server 6.5. Created a check history application in Microsoft Access for payroll department to use, replacing the need to print reports of a thousand pages and more each cycle for payment reconciliation purposes. With the increase in data, found need to transfer database to Microsoft SQL Server. Created tables in SQL Server, loaded the data, created indexes for faster retrieval, and built application in PowerBuilder 5.0 to be installed on client to access the data. Received System Administrator training in Microsoft SQL Server in order to support two servers. Received Oracle PL/SQL programming training directly from Oracle.

#### **APPLICATION DEVELOPER II**

Helped convert payroll system from Honeywell platform to VAX. Responsible for data conversion and transfer of the data from one platform to the other. Responsible for maintaining payroll online screens and reports. Trained in FOCUS report writer software and created many reports, production and ad-hoc, per user request of information contained in payroll system.

#### **APPLICATION DEVELOPER I**

Trained in Natural/ADABAS. Maintained VAX platform applications, such as a personnel telephone directory, used to update information to be printed in campus wide phone book.

#### **CONSULTING EXPERIENCE**

##### **University of Houston, December 2000 – December 2006**

Worked part-time, offsite for the university. Responsibilities included using PowerBuilder 8 to customize screens for an existing donor development system, produce DataWindow reports, and write Oracle 9i PL/SQL stored procedures to summarize and process donor information for analytical purposes.

##### **CR Systems, Inc., February 2015 – October 2015**

Worked part-time developing modules for home building software company. Created features for public Web site of small to medium home builders. Modules included weekly

customer traffic report, mortgage calculator, news article listing, as well as changes to home and customer data management screens.

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**EDUCATION**      **BELHAVEN COLLEGE – JACKSON, MS – BACHELOR OF SCIENCE, BUSINESS ADMINISTRATION**

Minor in Computer Science  
Graduated Cum Laude with GPA of 3.5/4.0  
Academic All-American Award  
Captain of soccer team senior year

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**COMMUNICATION &  
OTHER SKILLS**

Excellent written and verbal skills.  
Document workflow processes, application architecture and design.  
Ability to correspond with clients and users in technical and non-technical discussions.  
Ability to learn new business processes and implement technical solutions for them.  
Ability to learn new software and implement solutions quickly.  
Ability to integrate into different development environments and methodologies.  
Complete work rapidly yet accurately.  
Pay attention to detail and accuracy of results.  
Speak, read, and write conversational Spanish.

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**LEADERSHIP**      Ability to lead and direct small teams to implement solutions and applications.

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**REFERENCES**      **AVAILABLE UPON REQUEST**