

Paul J Mendez

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Senior Software Developer/Engineer/Architect with Clearance

- Senior Software Developer with 16+ years of experience in developing/designing enterprise applications in government and private sectors. Dept. of Defense and Oil/Gas experience.
- Participated in entire Software Development Life Cycle (SDLC) including Requirement Analysis, Design, Development, Testing, Implementation, Documentation and Support of software applications
- Extensive working knowledge of the following J2EE technologies: Servlets, JSP, JDBC, EJB, JNDI, Java Beans, JMS and Object Oriented Programming techniques
- Experienced using Microsoft .Net Development Stack: C#, ASP, SharePoint, SSIS, SSRS, SQL, VS, & TFS
- Familiar with cloud services such as Amazon Web Services and Microsoft Azure
- Developed SOAP and Restful Web Services with JAX-WS, JBossWS, JAX-B, RestEasy, and Apache Axis
- Experienced in designing, developing, configuring and deploying JEE applications on Apache Tomcat, Oracle WebLogic, and Red Hat JBoss Enterprise Application Platform
- Developed SharePoint modules using C#, MVC, WCF, OData, LINQ, KendoUI, and RESTful web services
- Experience with Java Cryptography Architecture (JCA) for encrypting, decrypting, and hashing values using the following algorithms: AES, RSA, Triple DES, Blowfish, MD5, and SHA
- Experience using Public Key Infrastructure (PKI) to manage and validate key stores and certificates.
- Relational Database experience with Oracle, SQL Server, MySQL, and SQLite.
- Experienced in the following XML technologies: JAXP, JAXB, XML, XSL, XSD, DTD, and XML Schemas
- Experienced in parsers such as SAX, DOM, Xerces, JDOM, XML Beans
- Experience with Unit Testing, including the use of mock object frameworks (EasyMock, JMock, etc.)
- Experience with the following Load Testing Frameworks: Grinder and Apache JMeter
- Experienced in using the following Version Control Tools: CVS, SVN, Git, and Microsoft TFS
- Experience with Continuous Integration and Automation tools such as Jenkins and Red Hat Ansible.
- Experience with Agile/Scrum software development methodologies.
- Strong problem solving skills, excellent communication and interpersonal skills, and an all-around team player.
- Motivated to take on responsibility as well as the ability to contribute and be a productive team member.

Skills

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- JAVA: JEE, JSP, JSF, JAX-B, JAX-WS, JPA, Hibernate, Servlet, iText, Eclipse, NetBeans, and JBOSS ESB
 - .Net Stack: C#, ASP, WCF, LINQ, SharePoint, SSIS, SSRS, Excel Services, OData, Visual Studio, TFS
 - Languages: Java, C++, C#, .NET, Perl, Python, PowerShell, Bash Scripting, and Visual Basic
 - Network: Active Directory, Cisco, Novell, TCP/IP, LAN, WAN, Routers, Switches, and Wireless
 - Platforms: Microsoft Windows Server 2000 - 2012, Linux, Solaris UNIX, and VMware Virtualization
 - Security: Firewalls, IPTables, IDS, NIDS, DISA, NIST, IAVA, STIG, FIPS, PKI, JCE, Smart Cards, and VPN
 - Web: HTML5, CSS, JavaScript, XML, AJAX, JSON, PHP, JQuery, JQuery Mobile, AngularJS, Kendo UI, ChartJS
 - Databases: Oracle, MySQL, SQLite, MS Access, SQL Server, SSIS, OSISoft PI, and Energy Components
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Work Experience

Louisiana Technology Consulting – Senior Software Engineer

12/2014 – Present
New Orleans, LA

General Dynamics IT (CSRA)- Senior Interface Engineer

Senior team member of the Retirement and Separations (R&S) project. The project goal is to add Retirement and Separation capabilities into the Navy Standard Integrated Personnel System (NSIPS). As Senior Interface Engineer my role is to incorporate new and existing legacy system interfaces into the NSIPS Enterprise SOA Platform. Tasks include:

Analyze requirements, create Interface Control Documents, and Software Design Documents

- Collaborate with legacy system personnel to create Web services and file interfaces to share data
- Developed JAX-WS SOAP and Restful Web Services used to obtain data from legacy systems

In addition to the R&S project, a small Tiger team was established to create Mobile capabilities that will expose existing functionality of NSIPS to the individual Sailor. Tasks include:

- Develop HTML5 mobile site using JQuery Mobile and JSP as frontend and Servlets as backend
- Develop Web Services to JBOSS ESB to interface with Integration Broker and PeopleSoft Component Interface backend

We also converted all of the projects 45+ web services to latest version of Java JEE and JBoss EAP. Allowing the project to decommission older JBoss servers saving on resources, maintenance, and security issues.

Another side project was rewriting the entire projects email delivery system. I reengineered the process using the latest Java and JEE standards. Introducing Java streams processing and JPA SQL Batching to increase email output.

We utilized the JBoss Mail subsystem and was able to dramatically increase email delivery while still maintaining logging and auditing. This also reduced the strain on the end user application server where the older code resided.

Created graphical charts for web services and email statistics using AngularJS, Bootstrap, Chart JS and JSON.

Implemented Continuous Integration automation server, Jenkins, to poll and pull from source control and build the projects. The built code is checked into source control and then scanned using Fortify, a static code analyzer.

WiPro Technologies – Senior Software Engineer

12/2012 – 12/2014
New Orleans, LA

Shell Oil Company - Senior Software Engineer

Senior team member of Exception Based Surveillance (EBS) project. The project goal was to build a SharePoint application to acknowledge and analyze alarms, and to utilize the data collected to create and introduce service work orders into workflow to be routed to the appropriate engineer(s)

- Created custom SharePoint web parts utilizing C# MVC in Visual Studio
- Utilized OData Web Services and HTML5/JavaScript frameworks such as Kendo UI

Developed SharePoint Dashboard Solution for Shell Oil Brazil for their Daily Production Review. The Dashboard solution encompasses PI and Energy Components real-time data, Web Services, SQL Server Integration Services (SSIS), Excel Services, and SharePoint.

- Created entire SSIS packages and jobs to daily query Energy Components DB and Excel sheets
 - Created PI AF asset hierarchy structure and attributes used to store equipment PI tags
 - Integrated PI data via Web service and EC data via ODBC into SharePoint frontend
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Shell Oil Company - Project Lead/ SharePoint Developer

Project Manager for Well Operating Envelope Tool (WOET). WOET is a SMART Application developed for the Shell Upstream Americas Deepwater Business. WOET provides Production Technologists, at a glance, with the critical information about how a well is operating.

- Created custom SharePoint web parts that utilized OData Web Services and .NET components
- Created dynamic graphical reporting suite utilizing Excel Services and SSRS

Lockheed Martin - Lead Programmer Analyst Sr.

10/2006 - 12/2012
New Orleans, LA

- Lead Java Developer for Lockheed Martin on the Navy Standard Integrated Personnel System project
- Created an Enterprise Service Bus (ESB) which would enable the US Navy to provide authoritative data to both internal and external systems; utilizing the JBOSS SOA platform
- Responsible for Java applications that communicate between Navy systems and JBoss Enterprise Application Platform. The application utilizes JBoss Messaging to send transactions to a JBoss server
- Responsible for ensuring proper PKI and FIPS-140 compliance throughout various Java applications
- Developed the current Cryptographic Login (CLO) requiring the DoD Common Access Card (CAC)
- Worked on SOAP Web Services that utilizes JAXB and WS-Security technologies
- Designed, deployed, and administered the VMware vSphere ESXi servers managed with vCenter
- Responsible for migrating and upgrading JBoss servers and applications to UNIX
- Planned and implemented a patch management solution across the Naval fleet servers; meeting both SPAWAR and US Navy requirements for data transmission, information security, and logistics
- Designed and implemented remote software upgrades of NSIPS; consisting primarily of PeopleSoft, Oracle, and WebLogic software
- Maintained and supported all Java applications (internal/external)
- Developed a process for DISA scans and reporting, as well as applying IAVAs and STIGs remotely
- Implemented patch management solutions and upgrades of NSIPS on Naval fleet servers at various US Naval institutions worldwide
- Responsible for interviewing and evaluating prospective development team employees
- Responsible for training, tasking, and mentoring new development team employees

ITT Technical Institute - Adjunct Instructor

9/2007- 9/2010
St. Rose, LA

- Instructed: Intro to Personal Computers, Intro to Linux, and Advanced Linux Administration
- Classes consisted of Lecture and Lab. Lectures were textbook driven whereas Labs were 'hands-on' class projects. Created labs to incorporate lessons from the text as well as real world examples.
- Prepared lesson plans, facilitated tutoring, created and administered: lab assignments, assigned work, study guides, quizzes, midterm and final exams

TGTSoft - Lead Web Developer/ Administrator**3/2004 - 10/2006****New Orleans, LA**

- Designed and implemented E-Commerce, Download, and Marketing websites. The websites utilized Linux, Apache, MySQL, and PHP (LAMP). Features allowed customers to purchase and download products, create accounts, renew software, change contact info, upload files, and track affiliate revenue. The websites handled thousands of hits on a daily basis and were load balanced across multiple servers.
- Created a Web Service (SOAP) to query a MySQL database for valid customer information
- Wrote various code to track and report sales revenue, send newsletters, and automate tasks
- Managed short term and long term contractors, sales, support, and marketing

Education

ITT Technical Institute**St. Rose, LA**

- Bachelor of Science, Information Systems Security
- Associate of Science, Software Application Programming
- Associate of Science, Computer Network Systems

Certifications/Training

- CompTIA A+
- CompTIA Security+
- CompTIA Cyber Security Analyst (CySA+)
- CompTIA Security Analytics Professional (CSAP)
- AWS Certified Cloud Practitioner
- AWS Certified Solution Architect Associate
- AWS Certified Developer Associate
- Construx Scrum Boot Camp