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Summary

An accomplished Software Developer with 12 years of software design and development experience. Well versed in web development, object oriented, database and client/server concepts. Experience evaluating and documenting various technical solutions and providing recommendations accompanied by written rationale. Experience troubleshooting and solving various technical issues with government clients and working with end users to develop appropriate use case scenarios. Strong organizational, analytical and communication skills, both written and oral.

Technical Experience

Certifications	Sun Certified Java Programmer
Languages	Java , C++, JavaScript, Perl, PL/SQL, SQL, HTML, Shell scripting
Operating Systems	MS Windows, HP-UX, Linux
Technologies	J2SE, J2EE, JDBC, JMS, HTTP, Web Services, XML
Databases	Oracle, SQL Server , DB2
Application platforms:	Oracle Application Server, IBM Websphere, SeeBeyond e*Gate, Apache Tomcat
Software	Oracle JDeveloper, Merant PVCS and Tracker, PL/SQL Developer, TOAD, MS Project

Employment

Nortel/Avaya Government Solutions, DC Metro Area, March 2006 – June 2010

AnviCom Inc, DC Metro Area, September 2004 – November 2005

Sr. Programmer/Analyst (Integrated Booking System)

While with Nortel/Avaya:

- Designed, developed and maintained various modules in a Struts based J2EE application and a PL/SQL based application that made up the Integrated Booking System (IBS). The IBS is an ocean cargo management system used by virtually all federal departments for the shipment of ocean cargo around the globe.
- Proposed, designed and implemented various projects to integrate COTS products with the IBS. One example was writing an Oracle Discoverer extension that allowed end users to use their proprietary single sign-on credentials to seamlessly access Oracle Discoverer.
- Analyzed performance issues for various modules and implemented improvements. This entailed analyzing explain plans and rewriting data access code to be more efficient. In one instance, performance was estimated to improve by 70%.
- Identified security vulnerabilities throughout the system, provided mitigation recommendations and implemented selected solutions. Vulnerabilities included SQL injection and cross site scripting (XSS).

While with AnviCom:

- Converted an Integrated Booking System module from a Swing based client/server application to a web based J2EE application. The conversion was completed on time and within budget. This accomplishment was significant because the project originally called for four developers and a team-lead. Due to lack of retention, the project was completed with a team lead and 2.5 developers.
- During the conversion, implemented a View layer based on JSPs and Struts tag libraries, a Controller layer based on the Struts framework, and a Model layer based on a JDBC/POJO scheme.
- Utilized various GoF and J2EE design patterns during the conversion, including the Singleton, Factory, Façade, Transfer Object, and DAO design patterns.

Computech, DC Metro Area, August 2003 – July 2004

- Sr. Programmer/Analyst (DynaComm Script Conversion)
- Proposed, designed and implemented a script converter. This converter translated application functionality implemented in the DynaComm scripting language to the equivalent Java implementation. Estimates indicate that this converter saved 50 to 60 percent of the effort required for the DynaComm Script Conversion project.
- Proposed, designed and implemented a Host On-Demand reuse strategy for providing required user functionality in the new script application. This strategy eliminated the need for functionality reimplementations by utilizing Host On-Demand's graphical user interface.

Northern Virginia Vending Inc, November 2002 – August 2004

President

- Created an S-Corporation whose mission was to sell overseas phone cards using vending machines. During the corporation's life, I was responsible for purchasing, negotiating contracts, accounting and tax preparation.

Erie Insurance Group, Erie, PA, July 2000 – September 2002

- Programmer/Analyst (eCommerce Initiative)
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- Part of the team that developed Erie's eAI proof of concept. Established that the SeeBeyond e*Gate product was capable of retrieving and updating data from Erie's policy management, claims and account billing systems, translating user response data into the ACORD XML format, and sending the translated data to Erie's CRM front end for display.
- Designed and implemented Oracle stored procedures responsible for creating and updating policy and client information.
- Designed and implemented modules that decreased the eCommerce system's response time by extracting summary data from disparate legacy systems and placing that data into a central Oracle database. This design allowed agents to request summary policy information from a single source, thus decreasing response time.
- Designed and implemented common services for all teams across the eCommerce initiative, including an error handling and logging framework to centrally store diagnostic information.

- Designed and implemented a set of Java utility classes that provided common functions for e*Gate developers, such as date and currency formatting, code lookups, and validation routines.

Airline Tariff Publishing Company, Dulles, VA, July 1998 – June 2000

- Programmer/Analyst (FareManager Maintenance)
- Designed and implemented FareManager 1.0 deployment scripts using InstallShield 5.0.
- Designed and implemented FareManager 2.0 fare retrieval and display components using MS Visual C++ 6.0 and MFC.
- Utilized IBM's ECI interface to access CICS legacy data.

Education

Penn State University: B.S. Management Information Systems, 3.1 GPA