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OBJECTIVE

To obtain a software engineering position in an organization seeking a developer with experience in all aspects of the software development lifecycle and the ability to take a project from inception to reality.

SUMMARY

Highly motivated developer with 7 years experience analyzing problems and designing and developing innovative solutions. Areas of expertise include requirements gathering, design, development, and implementation of high-availability enterprise Java/XML applications interfacing with various databases. Excellent interpersonal and communication skills. Seeking a challenging position in the information technology field solving business critical problems using development and engineering skills.

WORK EXPERIENCE

TEKsystems, Inc. Harrisburg, PA   (June 2004-present)

Java/XML Consultant

Contract: Administration Office of Pennsylvania Courts (June 2004-present)

- Development of electronic data interchange interfaces using Java, XML, JMS, and Websphere MQ connecting to IBM iSeries DB2 and Sybase databases.
- Sample Projects:
  - Development of interface for receiving confinement information from the Pennsylvania Justice Network (JNET) into the court case management systems
    - Developed an XML message representative of the data available from JNET's reporting system, and a supporting XML schema for validation
    - Implemented a JMS interface using the custom in-house architecture to consume the XML message and call a set of stored procedures to modify the confinement information for a case participant
    - Java/JMS client application deployed on Solaris 8 running JDK 1.3.1 connecting to a Sybase database
    - Technologies used in project: Java, JMS, JDBC, XML, Sybase stored procedures, Websphere MQ
  - Development of a system for replicating centrally managed data (names, contact information, code lists) to the various databases supporting the court case management systems
    - Developed a database schema for managing the approval process for the centralized data
    - Implemented a process using the in-house architecture to dispatch the approved data changes to a set of destinations for replication
    - Collaborated with the .NET web development team working on the web interface for the central data approval process
    - Implemented the stored procedure backend for the web development team to utilize for the web interface
    - Java application deployed on iSeries running JDK 1.3.1 connecting to an iSeries DB2 database for the centralized repository and iSeries DB2 and Sybase databases for the replication destinations
    - Technologies used in project: Java, JDBC, iSeries DB2 stored procedures

ZONE Telecom, Inc. Cherry Hill, NJ   (May 2001-May 2004)

Senior Software Developer

- Design and development of internal Java-based backend systems interfacing with an Oracle 8i database through JDBC
- Lead developer for company rating, billing, charging (credit card and ACH), and collections systems
- Design and development of system-wide business logic application tier with a Java based API accessing the database through Oracle PL/SQL procedures and packages
- Daily technical support for company operations, including ad-hoc reporting and data manipulation
- Sample Projects:
    - Design and development of company billing system to generate and send invoices to our residential, small business, and enterprise level customers
        - Gathered business requirements from the various departments and business stakeholders
        - Designed and implemented the system architecture and workflow for the billing system to support company-driven business needs
        - Interfaced with multiple third-party applications to support taxing, PDF generation using XSL Formatting Objects and Apache FOP, and external mailing house support
        - Utilized XML to represent the generated invoices in the database, and XSLT to provide different output formats for our residential and corporate customers
        - Java client application deployed on Solaris 8 running JDK 1.3.1 connecting to an Oracle 8i database
        - Technologies used in project: Java, JDBC, Oracle PL/SQL, XML, XSLT, XSL:FO, FOP, BillSoft EZTax
    - Design and development of queue-based payment and collections system
        - Gathered business requirements based on current manual business functions of the collections department and planned an events-based automated workflow to handle the collections process
        - Designed and implemented the backend Java queue modules for processing each step of the workflow using lightweight JavaBeans and XML for passing the data between modules and the Oracle database
        - Designed and implemented the Struts based Payment and Collections Manager (PCM) J2EE web application for reporting and manual intervention of the collections process and workflow
        - Utilized the Jakarta Struts framework to provide MVC support when building the JSP/Servlet-based web application, and XML with XSLT when generating the collections notices to send to customers
        - J2EE web application deployed on Oracle9i Application Server connecting to an Oracle 8i database
        - Technologies used in project: Java, JDBC, Oracle PL/SQL, XML, XSLT, JSP, Servlets, Struts

Tallán, Inc. Glastonbury, CT   (July 2000-April 2001)

Consultant and Developer

- Design and development of web-based enterprise solutions using cutting-edge technologies
- Training in SQL, Oracle, Java, J2EE, Enterprise JavaBeans (EJB), JSP, XML, and UNIX shell scripting
- Sample Projects:
    - Design and development of internal company e-commerce system for the ordering of company merchandise such as business cards, stationary, hats, and shirts. Application developed using Weblogic Commerce Server, and adapting it to the specific company needs.
    - Design and development of company-wide bug tracking system for use by developers
        - Designed the structure for the database schema and implemented the Oracle database backend tier
        - Designed and implemented the J2EE system architecture to run on the Weblogic Application Server using Java and EJBs for the application tier, and JSP and servlets for the presentation tier

Polaris Consulting & Information Technologies, Philadelphia, PA   (May 1998-February 2000)

Web Developer and Network Engineer
- Design and development of Internet and Intranet websites
- Design and development of web interfaces for custom databases
- Planning and installation of networks using Microsoft solutions
- Sample Projects:
    - Design and development of online courses for the MCP/Hahnemann School of Nursing
    - Implementation of ANCHoR for the City of Philadelphia
        - Configuration of server and client PCs for use in the project
        - Adaptation of ANCHoR to client's needs, including design of paper forms and custom reports
        - Interim ANCHoR System Administrator (ASA) for setup of system
    - Development of web-based internal client services system for Polaris

EDUCATION

Carnegie Mellon University, Pittsburgh, PA

Electrical & Computer Engineering
- Bachelor of Science in Engineering – May 2000
- Cumulative 3.0 GPA in major
- Relevant Coursework:
    - Introduction to Computer Architecture
    - Introduction to Embedded Systems
    - Fundamentals of Computer Engineering
    - Fundamentals of Electrical Engineering
    - Fundamentals of Computer Science
    - Data Structures in Java
    - Management Information Systems
    - Systems Analysis & Design
    - Web Business Engineering
    - Technical Communication for Engineers

TECHNOLOGY EXPERIENCE

- **Operating Systems:** Microsoft Windows 9x/NT/2000/XP/2003, Linux, UNIX, Solaris 7/8, iSeries OS/400
- **Server Software:** IBM iSeries DB2 Database, Sybase Database, Oracle 8i/9i Database, SQL Server 7.0/2000/2005, MySQL, IBM Websphere MQ, Oracle 9i Application Server, Weblogic Application Server, Weblogic Commerce Server, Caucho Resin, Apache Tomcat, Apache HTTP Server, Internet Information Server
- **Application Software:** IBM Websphere Development Studio, Eclipse, Borland JBuilder, Oracle JDeveloper 9i, iSeries Navigator, TOAD, StarTeam, CVS, Microsoft Visual SourceSafe, FrontPage, Office, Adobe PhotoShop 6.0
- **Programming Languages:** Java, J2EE, Java Message Service (JMS), Java Server Pages (JSP), Apache Struts Framework, SQL, PL/SQL, Transact-SQL, DB2-SQL, XML, XSL, XML Schema, DTD, HTML, DHTML, JavaScript, PHP, UNIX shell scripting