### **Vannesa Dobreff**

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#### **OBJECTIVE**

### Seeking a challenge position as a Sr. Java/JEE Software Engineer in IT.

### **SUMMARY OF QUALIFICATIONS**

### 10+ years of software development experience

### Professional Java/J2EE developer with strong code analysis, problem solving and performance tuning skills.

### Familiar with multi-tiered architectures, IBM WebSphere 5.0/6.0, J2EE Architecture, OOA/OOD with Unified Modeling Language (UML), good understanding of SDLC, RUP and Agile and Test Driven Development (TDD).

### Proficient in Concerto 4.3, ICONICS’ software, NetBean4.0, WSAD6.1, IBM RSA7.5/RAD8.0, JDK1.5, CVS, Java, Java Swing, JavaBean, JSF/JSP, EJB, LDAP, UNIX C/C++, MQ/MQSI, JMS, XSD, WSDL, Struts1.2, Hibernate, Web Services/SOAP/REST/SOA, JSON, Spring4.1 MVC Framework, XMLspy, AJAX/JQuery, Toad, Eclipe.

### Proficient in DB2 UDB, Oracle, SQL Server, MySQL, Access RDBMS analysis, design and development

### Strong programming skills in ASP.net, Visual Basic, JavaScript, VBScript, Unix Script, PL/SQL, Perl/CGI, XHTML, XML & XSLT, VB.net 2005.

### Highly self-motivated hard worker, skilled communicator, and dedicated team player.

#### WORKING EXPERIENCE

#### **04/2014 – present**

#### **Sr. Java/JEE Developer(Leader) Denso International America – 2777 Denso Drive, Southfield, MI 48033**

#### Design and implement the Java/JEE/iBATIS/AS400/SQL Server2012 FACTT (Financial Adjustment Communication Tracking Tool projects in Denso International America.

#### System/Tool: Java/JDK1.7/1.8, JSP, Java Bean, Servlet, HTML/JavaSript/Sencha Architect3, CSS, Sencha ExtJS5.1, HTML5 Java Script Framework, Spring4.1/Struts1.2 Framework, DB2, iBATIS, Eclipse/Subversive, DB2 Data Studio, AS400, Agile and Test Driven Development (TDD), JSON and Apache Tomcat 7.0/8.0 etc.

#### Responsibilities:

#### **The current projects:**

#### Utilize Spring4.1 Framework’s MVC Arcitecture.

#### Creatively configure JDBC etc. files to connect two data sources (DB2 in AS400 and MS SQL Server 2012).

#### Creatively upload the attachment files(Word, Excel, PDF and Email etc.) and Image Files(JPEG, PNG, GIF etc.) into BLOB field in MS SQL Server, and generate their JSON data format at same time.

#### Creatively retreived the attachment files in the Front End program (Ext JS) from the BLOB field in MS SQL Server.

#### Configure the SQLMapConfig.xml file, design and implement Java Bean and SQL Mapping files.

#### Manupulate data between IBM DB2 in AS400 and Microsoft SQL Server RMDB.

#### Loosly coupled Back End programs and Front End programs through JSON data formats for Front End Sencha Ext JS(HTML5/Java Script Framework).

#### Inhancement in the Front End Program (Ext JS) as UI to hold Denso financial large data.

#### Successfully migrate the Denso’s Business Process Management (BPM) projects in FACTT.

#### Implement the database design, complex SQL queries, views and store procedures and performences etc.

#### Quickly understand the Denso’s AIJ2 Java/JEE Framework, an take the training for the latest Denso’s AIJ3 Java/JEE Framework.

#### Quickly learn to use Sencha Architect3 IDE to design and impletment Front End Webpages (Sencha Ext JS(HTML5/Java Script Framework).

#### Review the FACTT’s codes and improve their performance and database design’s problem.

#### Meet any requirements from Denso’s customers through teamwork.

#### **10/2013 – 12/2013**

#### **Sr. Java/Web Service Developer Systems in Motion - 1136 Oak Valley Drive, Ann Arbor, MI 48108**

#### Design, implement and migrate the Blackhawk Network (BHN) Company’s Java/JEE/Web Services’ E-Commerce projects into Amazon Cloud Computing environments.

#### System/Tool: Java/JDK1.6,JSP,JavaSript, Spring framework, Hibernate, Fiddle, Eclipse/Run Jetty/Eclemma/Subversive, Maven Integration eclipse plugins, DB2 Data Studio, Oracle 11g and MySQL Workbench, BHN’s Web Services/SOA, Agile and Test Driven Development (TDD), JSON, Visual Paradigm for UML (VP-UML) and Tomcat 7.0 etc.

#### Responsibilities:

#### **The current projects:**

#### Use multi-module POM Structure to create new Maven Java/Web Servers project in Eclipse. View legacy projects’ Java codes, design UML’s Sequence Diagram and implement new REST Web Services’ modules.

#### Configure and use open source’s software to connect MySQL in my local machine and Team work to migrate DB2 data into Amazon’s Cloud Computing environments.

#### Use Agile and Test Driven Development (TDD) methodology to work with BHN’s team in CA.

#### **10/2012 – 01/25/2013**

#### **Sr. Java/J2EE Developer BCBSM - Downtown, MI 48226**

#### Designed and implemented the Legacy Process Service Module in PPQ-R2B project.

#### System/Tool: Java, Spring framework, Spring JDBC, XMLSpy, IBM RAD 8.0, Eclipse, MQ, Toad, DB2 in Mainframe, Oracle 11g, BCBSM’s Web Services/SOA, Agile and Test Driven Development (TDD) etc.

#### Responsibilities:

#### **The current projects:**

#### Completed the Legacy Process Service module including parser the XML case data into the complicated T100, T200, T300, T400 and T500 Mainframe data formats, and sending them to MainFrame by using IBM MQ.

#### Quickly understand the Architecture of the PPQ-R2B projects, BCBSM’s web service, and including how to use the JAXB marshall and unmarshall the XML case data. Using a lot of common utility classes.

#### Quickly understand the Architecture of the dcQuoting (PPQ-R2A) project, including how to use the SAXParser and JAXBContext marshall and unmarshall XML case file.

#### Our team used Agile and Test Driven Development (TDD) methodology.

#### **08/2010 – 03/2012**

#### **Sr. Java/J2EE Developer(Leader) Ford Motor Company - ITEK, 15555 Lundy Parkway, Dearborn, MI 48126**

#### Designed and implemented three Java/J2EE projects and two AVL Concerto pilot projects.

#### System/Tool: Java, JSP, Java Bean, JavaScript, JavaServlets, Concerto 4.2/4.3, Concerto Scripts, JDK1.5, HTML, Struts 1.3, IBM RSA7.5, JDBC, AJAX/JQuery, Oracle 11g, Agile and Test Driven Development (TDD) etc. and Participated the training JAB(J2EE) project of Ford JCOE including Web Services/SOA.

#### Responsibilities:

#### **The current projects:**

#### Design and develop the Architecture of the Powertrain Engineering Analysis Toolkit (PEAT) project, and finished the Cylinder Pressure Plots and EVO Loss Analysis parts.

#### Finish the integration of Power Train Data Management (PTDM) Java/J2EE/AJAX/JQuery project and PEAT Concerto 4.3 project.

#### Participate the design and developing a few modules for the Analytical Power train Data Management (APDM) project migrating from client/server-based system into Java/J2EE web-based system.

#### Participate the development of the Logsheet Java/J2EE project.

#### Enhance the Stackup system (Java/J2EE project) to accomplish the clients’ new requirements.

#### Design and implement the Concerto 4.2/EAST migration project. This was pilot project. Creatively finished the Cylinder Pressure Plots and EVO Loss Analysis parts, and resolved several technical difficulties.

#### Team worked with AVL Concerto experts, and our team in Ford started to use Agile Scrum methodology and Test Driven Development (TDD), tried to creatively solve any requirements from Ford Engineers and delivered these projects successfully on time and Ford Engineers are very satisfied to use the PEAT tool.

#### **06/2009 – 04/2010**

#### **Applications Programming Specialist IBM Global Business Services, East Lansing, MI 48823**

#### Designed and implemented two in-house Java/J2EE projects.

#### System/Tool: Java, JSF/JSP, Java Bean, JavaScript, JavaServlets, JDK1.5, HTML, Struts 1.2, RAD 7.5, Hibernate 3.0, Oracle 10g, Web Services etc.

#### Responsibilities:

#### **The second project:**

#### Set up the Lincoln Financial Group Project (Use JSF/JSP and Hibernate framework) J2EE architecture and mapping to Oracle 10g database in IBM RAD 7.5 environments

#### Create JSF/JSP, Java Bean and their Hibernate mapping files.

#### Create the system configures files and Oracle database connection file.

#### Finish the project’s micro designs.

#### **The first project:**

#### The Michigan Department of Agriculture (MDA) Central Licensing System (CLS) uses the JSF/JSP, Struts, Spring and Hibernate framework. Research to use JSF and Spring framework.

#### Create JSF/JSP, Java Bean and their Hibernate mapping files.

#### Used RAD’s Web Service wizard to create the client Java proxy to locate and invoke the services.

#### Create the system configures files and Oracle database connection file.

#### **06/2008 – 11/2008**

#### **Software Engineer Dynamic Automation Group, Farmington Hills, MI 48335**

#### Designed and implemented the Johnson Controls’ Web-enabled, OPC-based HMI/SCADA and Manufacturing Intelligence Visualization software and MIRA’s database projects in Automotive Manufacturing environments.

#### System/Tool: ICONICS’ software, Unix Scripts, Java, JavaScript/JSP/JavaServlets, JDK1.4, Java Bean, HTML, VB, VB Scripts, Oracle 9i, MS SQL Server 2000 and Server2005 etc.

#### Responsibilities:

#### Installation & configuration of the ICONICS’ softwares including AlarmWorX, GraphWorX, DataWorX, ReportWorX and MIRA database in MS Server 2005 etc.

#### Analyze existing ICONICS’ GraphWorX forms and ReportWorX reports and re-designed the forms and reports.

#### Design and development the store procedures and functions in MIRA database, and migrated data into MS SQL Server 2005 from MS SQL Server 2000.

#### Development Java Servlets, Java Bean modules to load data into production Server, and quickly provided the best solution to meet the deadline.

#### **10/2007 – 05/2008**

#### **Application Developer Daimler Financial Service, Farmington Hills, MI 48335**

#### Migrated Chrysler Financial (CF)’s Day X projects to Daimler Financial (DF) environments.

#### System/Tool: Unix Scripts, Java, JavaScript/JSP/JavaServlets, Java Bean, JDK1.4, HTML, VB Scripts, Crystal Report, Oracle SQL Developer, Embarcadero Rapid SQL 7.5, IBM WAS 5.0, Oracle 9i, MS SQL Server2005, DaimlerChrysler’s Web Services/SOA, MQ/MQSI and Mainframes etc.

#### Responsibilities:

#### Development, maintenance & support, install & configuration of the Office of General Counsel (OGC) softwares including Liquid Office, Workshare, Wordox and Law Manager etc.

#### Analyze existing Oracle’s procedures and re-write the procedures in MS SQL Server2005 by using Oracle SQL Developer, Embarcadero Rapid SQL 7.5 and MS SQL Server Management Studio. Migrating all Crystal Reports to DF environments.

#### Design and development the Unix Scripts and VB Scripts modules to FTP the Law Manager Invoice Processing to SAP system.

#### Development Java Servlets, Java Bean modules to use of the MQ/MQSI API, queues, and channels etc. to retrieve data from Mainframe.

#### Fixed bugs, finished user requirements and enhanced the OGC projects to meet the deadline.

#### **12/2006 – 07/2007**

#### **Software Engineer Allen System Group Inc. Rochester Hills, MI 48309**

#### Business Process Management (BPM) project.

#### System/Tool: C/C++, Java, JavaScript/JSP/JavaServlets, Java Bean, HTML, JDBC, Eclipse, JMS, Hibernate, Struts, WSAD5.1.2, Web Services, XSD, MS SQL Server2000, MS Visual Studio 2005 and CVS etc.

#### Responsibilities:

#### Analyze, design existing JBOSS and other Java Web based BPM projects by using Eclipse IDE, to accomplish any requirements for C++ based BPM project.

#### Design and implement the XML parsing modules by using c++.

#### Design the BPM project’s XML Schema and examples for testing.

#### Review user requirements and specifications to enhance and improve the BPM system’s performance.

#### **11/2005 – 07/2006**

#### **Sr. Java/J2EE Developer (Leader) Caterpillar Corporation. Peoria, IL 61630**

#### Designing and implementing the Continual Product Improvement (CPI) – Service Letter Parts Inventory Management Monitoring Tool (SLMT) System under Caterpillar’s J2EE TUF (The Universal Frameworks).

#### *System/Tool*: MVC Architecture, Java, JavaScript/JSP/JavaServlets, Java Bean, HTML, JDBC, WSAD5.1.2, Unix/Unix Script, DB2, DB2 Access Utilities, Oracle 9i, IBM WSAD5.1, IBM RAD6.0, Web Services/SOA, XSD, WSDL, MQ/MQSI and CVS etc.

#### *Responsibilities:*

1. Analyze, redesign, create and debug project modules for existing SLMT system under Caterpillar’s J2EE TUF Architecture, to accomplish any requirements for customers.
2. Review user requirements and specifications to enhance and improve the CPI system’s performance to avoid the SLMT product server’s crashing problem.
3. Developed the creative search modules of high performance, retrieving data from legacy Oracle and DB2 databases in multiple locations (over 10 million records)
4. Web Services using Axis to retrieve data from the Oracle SIS Authoring system, including designing CPI Services WSDL’s file to generate automatically JavaBean codes.
5. Present to customers on weekly basis and quickly provided the best solution to software issues accordingly.

#### **08/2005 – 01/2006**

#### **Sr. Java/Swing/Oracle Developer Caterpillar Corporation. Peoria, IL 61630**

#### Enhanced the Service Information Systems (SIS) Authoring project under Sun Unix/NetBeans4.0 environment, and migrated current Oracle forms to Java Swing forms for each module in the legacy SIS Authoring system.

#### *System/Tool*: Business Object Architecture, Java, Java Swing, Java Bean, JDBC, Unix/Unix Script, Oracle 9i, Oracle SIS Authoring system, NetBeans4.0, and CVS etc.

#### *Responsibilities:*

1. Analyze, design, create and debug Parts Java Swing form modules for SIS Authoring system, based on the existing Oracle 9i’s form, process, function and triggers modules.
2. Developed the Employee’s module using Java swing GUI, and fulfilled all the functions and requirements that can be reached in the legacy SIS Authoring system Oracle form module.
3. Creatively developed the complicated and primary Parts/Update modules to retrieve data from Oracle database. Greatly enhanced the initial design and performance for the module to satisfy user’s requirements.

#### **09/2004 – 02/2005**

#### **Java/J2EE Developer DaimlerChrysler Corporation, Auburn Hills, MI 48326**

#### Enhanced KRMS (Knowledge based Recyclable Material System) for SE&E (Stationary Environmental & Energy group); Further designed and implemented the SEE-IMDS (International Materials Data System) project to utilize the materials information from existing KRMS and IMDS database to conduct the management for vehicles’ parts materials. Integrated the SEE-IMDS with the KRMS.

#### *System/Tool*: Java, JavaScript, JSP, Java Bean, JavaServlets, Struts, HTML, JDBC, IBM WAS4.0, WSAD5.1.2, Unix, DB2 UDB and ClearCase etc.

#### *Responsibilities:*

1. Debugged and modified existing modules, added new features in original implementations to improve performance.
2. Analyzed, designed, created and debugging all modules for SEE-IMDS project, based on the existing KRMS’s architecture and modules.
3. Analyzed the data in IMDS (Almost 1 million records in some tables), developed the Search module of high performance and creative solutions to satisfy customer’s needs.
4. Email and Export modules to send emails to Suppliers outside of DCX, and utilized the LDAP to send emails within DCX Intranet.
5. Presented to customers on weekly basis and quickly provided the best solution to software issues accordingly.

#### **08/2003 – 08/2004**

#### **Java/J2EE Architect & Developer (Leader) Dynamik & SKJ Technologies Inc. Madison Heights, MI 48071**

#### Designing and implementing SKJ(www.skjtech.com)-SBC(Ameritech) Online Order Management System for the SBC authorized distributors in five US States to conduct on-line orders management.

#### *System/Tool*: Java, JavaScript, JSP, Java Bean, JavaServlets, Struts, HTML, JDBC, IBM WAS5.0, WSAD5.0, VB.net 2003, Mail Merge, MS SQL Server2000 (Access2003), and DB2 UDB v7.2 etc.

#### *Responsibilities:*

1. System architecture design and deployment.
2. Database design and implementation using DB2 UDB v7.2 for SBC business customers order and SKJ-SBC products information as well as SBC sales agents information.
3. System analysis and design, coding and debugging all modules for Java/J2EE project with WSAD5.0 and WAS 5.0. Presenting creative solutions to satisfy customer’s any requirements.
4. Review user requirements and specifications. Enhance and improve the system’s performance.
5. Assist for WSAD5.0 and WAS5.0 installation and configuration.
6. Output CSV text files from DB2 UDB v7.2, and import into MS SQL Server 2000(Access2003).
7. Automate SBC reports with VB.net 2003 and MS SQL Server 2000 to create Mail Merge.

#### **11/2002 – 01/2003**

#### **Analyst Programmer DaimlerChrysler Corporation, Auburn Hills, MI 48326**

#### Designed and implemented the data gathering database for system analysis and design.

#### Downloaded the Catia models from Virtual Process Model system in UNIX workstations of IBM AIX.

#### Retrieved and converted data from DB2 tables by using Java, JSP and JavaScript for the Digital Manufacturing Project.

#### **06/2002 – 11/2002**

#### **Java Web Developer (Leader) Rainbow Consulting, Inc. Troy, MI 48083** Designed and implemented the online registration Project and Classified Advertisement System.

Analyzed data sources and client needs to design application structures wrote sub-project orders, developed ancestor objects, and tested objects written by other team members.

#### *System/Tool*: Java, JavaScript, JSP, Java Bean, JavaServlets, HTML, XML, Tomcat3.2, JDBC, Apache1.3, SQL Server2000, Linux 7.2, Oracle 8i, PL/SQL and Sun Solaris 8.0 etc.

#### **06/2000 – 12/2001** (Contract)

#### **Java Web Developer DaimlerChrysler Corporation, Auburn Hills, MI 48326** Designed and implemented an Intranet based E-Commerce System for seven component plants in DaimlerChrysler Motor Corporation.

#### *System/Tool*: JSP, Java Servlets, Java/Java Bean, HTML, XML, JavaScript, Unix Script, J2EE, EJB/IBM WebSphere, IBM MF, LDAP, JDBC, UML Notation, System Development Life Cycle (SDLC), DB2 UDB in UNIX System.

*Key technique points*:

1. Making changes to the system to correct errors in the original system design, providing the innovative ideas, and adding new features and improving the search modules performance.
2. Create new record and solve "unique key" problem of records in DB2 (5.0 version).
3. Prompt definitely existing records in database for user.
4. The Search Modules for any design and find user information quickly and exactly.
5. Use LDAP to work with directory service, including connecting to the LDAP server, authentication (LDAP Bind) utilizing Simple Authentication and Security Layer protocol, searching the LDAP server by specifying the search base and scope to get required employee information from IBM MF.
6. Develop EJB components (Distributed Architectures) to import the web server and using LDAP to manage directory information with JNDI.
7. Timely prompt error message by using client side JavaScript programming (e.g. Prompt error message beforesubmitting when user inputs a repeat record).
8. Control the text size that user enters in Text Areas of Web form.
9. Two-dimensional table displays with unfixed length and width in Web form.

**Key Skills**

Java/J2EE, JSP, JSF, Struts, Hibernate, Java Scripts, Java Bean, EJB, Java Swing, Web Services, SOA; C/C++, UNIX Script; VB, ASP.net VB Scripts; SQL, PL/SQL, DB2, Oracle and SQL Server 2005

**EDUCATION**

**M.S.** in Computer Science

University of Houston, Houston, Texas, USA

**B.S.** in Computer Science

Harbin Institute of Technology, Harbin, HeilongJiang, P. R. China.