Mahliet Nigatu
Backend Developer - Unisys

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WORK EXPERIENCE

Backend Developer

Unisys - Arlington, VA - May 2015 to Present

Project: CCAR Integrated Reporting
Description: This project shows the organization's capital for the next 24 quarters based on the current 3 quarters. This report is generated annually and submitted to Federal Reserve. We are implementing this project with Spring Batch. It is a Batch processing technique. Spring batch has jobs configured for specific purposes and can be triggered in parallel. This enables huge amount of data to be processed in less time. To test the process, I have implemented H2Db, in memory Java Database, to create the tables virtually and insert sample data so that the retrieval and persisting process will happen in less time as compared with connecting to oracle and fetching tons of data.
Responsibilities:
• Using spring framework and Spring JDBC for bean management and persisting java objects.
• Configured job listeners, Step listeners, Steps and created various tasklets which are executed in a sequence while running the jobs.
• Implemented Enterprise Java Beans (EJBs) to interact with the database for DML functions & retrieving records from the database.
• Mapped interfaces and Java objects using MyBatis to interact with Sybase database.
• Developed several Java classes for generating the reports and send the statistics over the mail.
• Prepared DDL and DML for several tables in Oracle and Sybase.
• Developed JUnit test cases for testing the application.
• Created H2DB for testing the process with sample data using virtual database.
• Build and deploy the application on UNIX environment.
Environment: Java 8, J2EE, UNIX, Spring Batch, Spring IOC, Agile Methodology, Apache Maven, JUnit, Oracle 10g, SVN.

Java Developer

Client - Accenture - Washington, DC - July 2014 to May 2015

Project -Logistics Vision (4S e-Trans)
Description: Logistics Vision (4S e-Trans) is a complete enterprise level web based B2B application fully build with J2EE technologies. It is basically a Multi-Modal Freight Management System. It incorporates the work flow required in a freight forwarding business. All transactions required for a shipment are captured and also the shipment can be shipped in multiple modes Air, Ocean and Ground (Trucking). It is a B2B enterprise application as it handles both operational and financial aspects when a shipment is shipped between various terminals (stations) which in itself is a business entity. It includes freight forwarders customers, shippers, consignees, vendors, carriers and agents. On creating a shipment various aspects like origin, destination, shipper, consignee, bill to party, container or pack details etc. are captured then tariffs are applied, various charges are included and finally invoiced to shipper or consignee or destination terminal depending on the business scenario. Presently Handling/Managing the Reconciliation Team which involves in providing root cause analysis, impact analysis, solution proposal documents and data fix scripts. Responsibilities:
• Analyzing and preparing the Technical Documents for the issues and thereafter fixing the issues.
• Doing Impact analysis and providing the "Solution Proposal Documents" to the issues.

• Coding EJB components for a subset of the functionality.
• Writing JSP's and servlet's for the UI and business functionality.
• Studying and analyzing the domain knowledge areas like features that can prove to be value- added to the product.
• Researching ways to increase performance of the Application through use of methodologies like asynchronous calls to database, stored procedures in place of Dynamic SQL, etc.
• Developing Quantification Queries to identify the similar kind of problematic shipments.
• Developing and executing the Data fix scripts to rectify the corrupted data in the database.
• Providing the database changes to ensure the data integrity of the data model.
• Maintained version control for changed/released sources using Rational Clear Case. Environment: Java, JSP, Swing, Struts, Tomcat, JBoss Application Server, Eclipse, Rational Clear Case, SQL, UNIX, JUnit.

J2EE Developer
United Healthcare Insurance - Fairfield, NJ - September 2013 to June 2014

Description: United Healthcare makes the health care insurance experience simpler, easier and better for everyone involved by delivering practical and innovative solutions that meet unique customer needs. The aim of the system was quicker payment resolution with low processing costs.
Responsibilities:
• Effectively interacted with business users for requirements capture.
• Used agile methodology process in the development project.
• Implemented Presentation layer components using HTML, JavaScript, JSP and struts.
• Used JavaScript for client side validations.
• Implemented validations using Struts Validator framework.
• Designed and developed service layer using spring with AOP and Inversion Control.
• Implemented data access using Hibernate (Object Relational Mapping Tool) persistence framework.
• Developed the configuration files and the class's specific to the spring and hibernate.
• Implemented the Business objects and configured those objects in springconfigurationfile.
• Created hibernate mapping files to map the POJO to DB tables and managing associations.
• Developed Web Service client to consume the Web Service.
• Involved in debugging and troubleshooting related to development and environment issues.
• Prepared detailed design specifications and performed code reviews.
• Developed Web Services using Restful with Spring MVC and developed DTDs, XSD schemas for XML (parsing, processing, and design) to communicate with Active Directory application using Restful API.
Environment: Java 1.5, HTML, JavaScript, JSP, Struts 1.2, Spring 2.0, Hibernate 2.5, Eclipse, BEA WebLogic Application server 8.1, Oracle 10g, JUnit, UNIX, Restful, CVS and PVCS.

Java/J2EE Developer
NAVTEQ - Naperville, IL - November 2011 to August 2013

Description: Query Tool is a J2EE standard based web based application designed to provide the Navteq internal User (Customer Care Dept., DMO) all the details pertaining to maps areas. This system provides various features to get information for a Link, POI, Links, Signs, and Roads. The system was developed with an exhaustive analysis of the existing work-flow.
Responsibilities:
• As a Programmer/Analyst was involved in analysis and requirement gathering.
• Developed SQL queries and stored procedures.
• Used JAVA, JSP, JavaScript to develop presentation layer using MVC architecture.
• Developed and deployed the application on JBoss Application Server, Tomcat Web Server.
• Developed customized tag libraries in Struts (MVC Architecture)
• Performed Unit Testing with JUnit.

• Design and developed applications using Eclipse.
• Responsible for delivering enhancements as per schedule after estimation.
• Participated in Code review and testing of the enhancements done.
• Coordinated with the back end team for integration issues.
• Deployed the application on UNIX environment.
• Interacting with direct Business users for the requirements.
• Implemented Object Relational/Persistence mapping using Hibernate to provide database independence to support wide range of databases and query services.
• Maintained version control for changed/released sources using Rational Clear Case.
Environment: Java, JSP, Swing, Struts, Tomcat, JBoss Application Server, Eclipse, Rational Clear Case, SQL, Oracle 9i, Twill, UNIX, JUnit.

EDUCATION

Bachelors in Computer Science in Computer Science
Addis Ababa University

SKILLS

Linux (Less than 1 year), MICROSOFT WINDOWS (Less than 1 year), Red Hat (Less than 1 year), Solaris (Less than 1 year), UNIX (5 years)

ADDITIONAL INFORMATION

Operating Systems Windows […] Sun Solaris 2.x, HP-Unix, Red Hat Linux 7.2/7.3