Biruk Duguma
Java Developer

Raleigh, NC - Email me on Indeed: indeed.com/r/Biruk-Duguma/783cf655c3ee5cfd

Willing to relocate: Anywhere
Authorized to work in the US for any employer

WORK EXPERIENCE

Java Developer
Wells Fargo   -   Charlotte, NC - May 2016 to Present

Market Risk Department:

The Market Risk technology department is responsible for computing Market Risk for the whole of Wells Fargo. Market Risk is the potential that the value of an investment will decrease due to changes in market factors such as price, interest rate, exchange rate, and liquidity. I was working as a back-end developer delivering data to the GUI team through Restful web service.
• Have developed a service that compares data from two database environments and returns the difference as JSON
• Developed various service end points that provides aggregated and row data back up on request
• Have written queries to retrieve data into Mybates mapper classes.
• Have done complex refactoring of java codes, stored procedures and views following a change in database objects
• Have written sql query scripts to change database tables in a desired way
• Wrote JUnit test cases for every java method I have written in service classes
• I have written Beanshell scripts in jmeter to perform load testing dynamically
• Have done developments in Agile development environment
Technologies Used: Core Java, Spring, Mybatis, Restful Web Service, SQL Server, Intellij, Jmeter, JIRA, SVN, Crucible

Developer
HCL Technologies   -   Cary, NC - June 2015 to May 2016

PROJECT DETAILS:
Developer

1) Global Patch Management (GPM)

This is to roll out UrbanCode Deploy for automated patch management. It includes automated patch management for dbJMS, dbMQ and dbSolace Systems. So, this project is automating uDeploy for patch upgrade and rollback processes related to Patch Management for Messaging Platforms.

• Created a component with its processes in uDeploy that perform the patch upgrade on VPN
Sampler and JMS
• Used shell script to import tar file from Nexus, untar a tar file, start and stop services, and install the patch upgrade
• Used Javascript as post processing script to perform some operations after the shell script is complete
• Used SEMP commands to interact with Solace appliances

• Parsed through log files to check server restart status
• Created an application process to run the component processes
• Wrote a technical document for the JMS patch upgrade process

2) WyCAN UI

WyCAN UI is a software development project meant for handling the Unemployment Insurance System of a consortium of four states; namely Wyoming, Colorado, Arizona and North Dakota. The system was handled in two major parts; Tax and Benefits. I was working in the Benefits part particularly in the Adjudication team. Adjudication handles issues created in relation to Unemployment Insurance claims. The major technologies I have used include Spring MVC, Hibernate, JSP.
• Designed and developed JSP pages for Colorado and Wyoming states that handles issue creation.
• Developed service class methods that populates VOs and returns their values.
• Developed Hibernate based DAO and DAOImpl classes.
• Prepared SQL and HQL queries to retrieve data from the database and use it in the system.
• Developed Junit test cases for methods developed in controller and service classes.
• Prepared design documents from story boards that need to be implemented in different parts of the system.
• Put into service custom validation classes for user input validation.

Technologies used: Core Java, J2EE, Spring, Spring MVC, Hibernate, Servlet, JSP, HTML, CSS, JavaScript, Oracle, Eclipse, JBoss, StarUML, Windows

Java / J2EE Developer
NEW ABYSSINIA PLC   -   Addis Ababa - April 2011 to July 2014

1) Module Distribution System (Jun 2012- July 2014)

Module Distribution System is part of St. Mary's Distance Education System developed to manages module production and distribution for distance education students throughout the country. The system enables to keep truck of the courses and number of modules required for each course at each of the distance education centers. It is a secured system developed using the spring MVC pattern using Oracle 10g database as a back end.
• Involved in various phases of Software Development Life Cycle (SDLC).
• Generated Use case diagrams, Class diagrams, and Sequence diagrams using Rational Rose.
• Extensively worked on front end, business, and persistence tiers using the Spring MVC and Hibernate frameworks.
• Configured RESTful web service with Spring to obtain course information from the registrar database.
• Implemented web page layout using Spring MVC tiles configuration, and performed form validation using the Spring MVC form validation rules.
• Developed application components like POJO, DAO and mapping and controller classes
• Used Spring annotations for developing components, repositories and services in Spring.
• Involved in Ajax based Rich UI development using jQuery JavaScript framework.
• Used Hibernate ORM framework to communicate with database Oracle 10g to achieve persistence and maintain data easily.
• Followed Agile software development practice paired programming, test driven development and scrum status meetings.
• Wrote JUnit test cases for every java class.
Technologies used: Core Java, Servlets, JSP, Spring MVC, J2EE, HTML, CSS, JavaScript, Ajax, Oracle 10g, NetBeans, WebLogic server, Rational Rose, Windows, Linux

2) Mail Customer Handling System (April 2011 - May 2012)

Played a key role in developing and implementing a web-based customer handling system (Mailbox Customer Handling System) for the Ethiopian Postal Service. Rigorously followed Agile methodologies to improve mailbox-related services, including service payment, rentals, mail check and station information along with generating reports, greatly enhancing the user experience and driving customer satisfaction.

EDUCATION

Master's in Computer Science
Maharishi University of Management   -   Fairfield, IA
June 2017

Advanced Diploma in Computer Science
HiLCoE School of Computer Science & Technology   -   Addis Ababa

LINKS

http://www.linkedin.com/in/BirukDuguma