**Mohammed Kemal**

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# SUMMARY OF QUALIFICATIONS:

* 6+ years of professional experience in software development and maintenance in the areas of object oriented technologies client/server applications internet/intranet web applications, J2EE Architecture and OO Design patterns.
* **Extensive knowledge in using Aspect Oriented Programming (AOP), Object Oriented Programming (OOP) and Object Oriented Analysis and Design (OOAD).**
* **Designed and developed multiple J2EE MVC Model based Web Application using J2EE technologies (Servlets, and JSP), Design Patterns and popular open-source framework Struts, Hibernate and Spring.**
* Expert in Software Development Life Cycle (SDLC) such as Water Fall, Agile, SCRUM, Spiral - ranging from gathering business requirements, system enhancements, development, performance testing, user training, and support activities.
* Experience in creation and understanding of Business Diagram including Class Diagram, **Entity Relationship Diagrams (ER Diagram)**, **Sequence** Diagram and Work Flow Diagram.
* Extensive experience in enhancing the security of an Application using different tools like **RSA Clear Trust.**
* Experience working with **Java Multi-Threading** applications
* Good working experiences in application servers like **JBOSS**, **WebLogic, WebSphere** and **Tomcat**.
* Knowledge on Web Services using REST API in JSON and simple HTTP formats
* Developed Custom Tags to simplify the **JSP** code. Designed UI modules using JSP, HTML pages using **CSS, JavaScript**.
* Expertise in developing front-end systems with JavaScript, Bootstrap, HTML4.01/5, CSS(2/3), JQuery, AJAX, JSON and MVC frameworks such as Angular JS.
* Experience with Core Java, J2EE, Tortoise, Struts, ANT, Log4j, JDBC, Servlets, JSP, Exception Handling, Java Beans, XML, HTML, JavaScript.
* Solid background in Object-Oriented analysis and Design Patterns, designing methodologies and tools such as **Unified Modeling Language (UML) and Rational Rose**.
* Strong hands on experience and knowledge of Web and Application Servers like **IBM Websphere**, **Glassfish**, Apache **Tomcat**, and **JBOSS**.
* Experience in project management tools like **MS Visio and MS Office** for status reporting and planning.
* Working Knowledge in MVC Architecture Apache Struts Framework.
* Hands on Experience in dealing with the **Websphere MQ** and **JMail** Implementation and troubleshooting.
* **Strong experience in implementing web services SOAP / RESTful**
* **Hands on experience using different IDEs such as Eclipse and MyEclipse.**
* Skills in modeling, design and development of SQL programming with Oracle RDBMS.
* Experienced in distributed application in Multi-Tier/Three-Tier Client-Server Application using popular J2EE Web / Application Servers (Tomcat). Extensive programming in presentation layer (View) and middle tier (Control layer) for MVC design pattern.
* **Highly motivated team player capable enough to work within a team environment besides being capable to work independently.**
* Ability to learn/migrate to different platforms, applications and languages quickly.
* **Possess strong analytical and problem solving skills with the ability to adapt to a new environment and meet stringent deadlines.**
* Strong verbal and written communication skills.

# TECHNICAL PROFICIENCIES:

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| **Platforms:** | Windows 7.0; Vista; XP; MS-DOS; Win 95/98/NT/2000; Ubuntu; Linux; UNIX; |
| **Java Tools:** | Core Java; Servlets/JSP; J2EE; JDBC; Struts; Spring; ANT; WebServices; Log4j; Hibernate; JUnit: |
| **Databases:** | Oracle 11i/9i/10g/11g; Microsoft SQL Server; MySQL; Microsoft Access; |
| **Servers:** | Apache Tomcat; |
| **IDEs:** | Eclipse; |
| **Other Tools:** | Moqups; Microsoft Office (Word, Excel, Power point, Project, Outlook); |
| **Languages:** | Java; SQL; PL/SQL; XML; HTML; JavaScript; CSS; |

# CAREER CONTOUR

**Core Competencies:**

* Core Java
* Conducting system study and coordinating with team members for requirements mapping, system design & integration, implementation, etc.
* Designing and executing test plans and gap analysis to ensure that business requirements and functional specifications are tested and fulfilled.
* Understanding business requirements, identifying systems and getting it developed & implemented.
* Resolving queries regarding the Information System / Software & extending onsite support including maintenance of software support.

# Professional Experience:

**Client: Merck Pharmaceuticals, White House, NJ March 2014 - Present**

**Role: Java/J2EE Developer**

**Project: Internet Single Sign On (ISSO) Client Implementation**

**Description:** Merck Inc is one of the top and leading pharmaceutical company in the world. With its different branch offices throughout the world, there are about 40 websites working under the Merck’s DMZ. Their websites are providing there functionalities in different languages like English, Chinese, Japanese and many more. So to make it centralize, Merck wanted to develop a client that can provide Single Sign On functionality for all the different websites called as a Internet Single Sign On (ISSO). ISSO is majorly responsible of Authentication, Authorization with RSA Cleartrust server on the back hand side. Other than this, ISSO will also provide Update, Forgot Password, Reset Password, Recall Username functionalities. This project is basically a 3- tier project where ISSO Client will work at the front hand and will provide different functionalities by calling web services from the Mid Layer called as ISSO Service Layer. This mid layer contains all the implementation of different available functionalities and is connected to Oracle, Cleartrust and LDAP.

**Responsibilities**:

* Worked in Agile Scrum environment and actively participated in the Scrum meetings to produce the deliverables within time.
* Used Spring MVC on the front end using JSP, spring validation framework.
* Used Spring JDBC template to access database table.
* **Implemented the web-based application using Spring MVC Framework with Hibernate ORM.**
* Designed a performance-testing dashboard using HTML, JavaScript, SQL and Data Sources.
* Utilized different standard Java API’s including Java Mail
* Played a key role in resolving the bugs during the new ISSO Client Production Deployment.
* Implemented Web Services to send order details to downstream systems using Jax-Rpc, SOAP
* Involved in the full software development lifecycle (analysis, design, code, test and document) from inception to production transition for web-enabled application based on J2EE and Web Logic.
* **Worked on project using Agile methodology and used Version-One to track tasks and user stories.**
* Developed Web Services to allow communication between the applications using **REST web services.**
* Worked on complex legacy web application built on Struts 2/tiles and Hibernate framework to convert to client side.
* Wrote Different Documentation like Internal Design Report (IDR) and External Design Report (EDR) for ISSO Client and Service Layers.
* Utilized **Hibernate** for Object/Relational Mapping purposes for transparent persistence onto the SQL Server database.
* Created the front hand Web App for the ISSO Client and ISSO Service Layer.
* Implemented workflow system in a SOA environment, through web services built using Axis2 for SOAP over HTTP and SMTP. Configuration and deployments of AXIS2 components on web sphere application server at class loader level, and used the same to build and consume the web services (both synchronous and asynchronous.
* Created **HTML**, CSS, and **DHTML** pages for front-end, used Struts & **JavaScript** for client-side validation.
* Involved in the deployment process of the application on **WebSphere Application Server**
* Used Spring Core for dependency injection/Inversion of control (IOC), and integrated frameworks like **Struts** and **Hibernate**.
* Deployed the components into JBoss server
* Used **STRUTS** tag library for implementing the user interfaces. Used Struts Validation Framework and **JavaScript** for Client side validations. Created custom validation java classes for validating the http form post parameters at the server side and started to use custom error codes to represent validation errors.
* Worked on **Spring Web Flow** on Spring **MVC** for building flows in our web application.
* Managing/Fixing bugs and Client Issues in the application.
* Wrote JavaScript code.
* Used **Hibernate** for the **O/R mapping**.
* Involved in the detailed design of user interfaces and business layers. Extensively worked on **STRUTS**.
* Integrated Spring MVC Restful web services.
* **Developed spring web services and applied IOC (inversion of control).**
* **Used Hibernate persistence framework on the backend over Oracle database**
* Wrote Junit test cases using mock objects.

**Environment:** Java, J2EE, Eclipse,JDK, Servlets, JSP, Spring MVC, HTML, JDBC, LDAP, Oracle, Apache Tomcat, SQL, WebLogic 8 Application Server, Spring, Hibernate, UNIX, LINUX, Web Service

**Client: Staples, Framingham, MA June 2012 – Feb 2014**

**Role: Java/J2EE developer**

**Project: Staples Partners - Vendor Item Portal**

**Description:** Staples Partners web application has new separate portlets which can be used to insert / View different details regarding the new available product into Oracle 10g Database. For example there are different vendors for Staples that are supplying new products, they have their own separate user id to login on the web application. After logging in Vendor will insert / View the required details regarding the new product. Now at the end of the day, an email will be generated automatically; containing the details regarding the new products inserted in the whole day. That email will be sent to different product specialist inside staples depending upon the category of the product. Now product specialist will log in on the site and depending on the qualities of product; will approve it or reject it. In case if he rejects it, an email will be sent back to the particular vendor. Vendor can any time check the status of the product from another portlets. In this application Product manager can also view the products and easily check the status of different products. Another interesting part of my project is the uploading Part. In earlier scenario vendor was adding the product details in a excel file and excel file was sent to another server by using Websphere MQ and Message Broker; it was saving inside a MS Access Database. In the newer version, data regarding new product will be fetched from Oracle 10g database and will be converted in to canonical message and will be passed on to the MS access database by using Websphere MQ ad message broker.

**Responsibilities:**

* Actively involved in defining and designing the tires of the applications and implementation with J2EE best design practices.
* Involved in complete SDLC - Analysis, designing, development, Unit testing and System Testing.
* Used **HTML, JavaScript, Servlets, JSP, and AJAX** in the presentation tier.
* Implemented the server side design using the Industry Standard J2EE design patterns like Business Delegate, Service Locator, Value Objects, Data Access Object and Helper Classes.
* Designed and developed Value Objects to carry the data between different layers of the application.
* Developed DAO layers connecting to data source and coded in Service layers implementing functionality.
* Used spring for dependency injection and **integrated spring with Hibernate ORM framework**.
* Involved in creation of Mapping to the **MS SQL Server 2012** Database to the upper application layers of the application.
* Developed web interface using **JSPs, Struts tag libraries, Tiles framework, Struts Validator** for server-side validations, JavaScript and Ajax for client-side validations. Developed the application using Struts framework.
* Configured Hibernate Configuration file developed POJO and wrote the Xml file to map objects to Oracle relational database.
* **RSA** **ClearTrust** provided secured single sign on between **WebSphere** and LDAP.
* Familiarity with Service oriented architecture **(SOA)** by developing and consuming Restful web services based on **JAX-RS** and Jersey.
* Updated the application configuration from older Websphere version to the newer **Websphere 6.0.2 Application Server**.
* Used the Soap based web services with WSDL component.
* Implemented front-end using **JSP, HTML, JSTL, CSS** and **JavaScript**.
* Familiarity with Service oriented architecture **(SOA)** by developing and consuming Restful web services based on **JAX-RS** and Jersey.
* Created and maintained the configuration of the Spring Application Framework. Used the Core container module, Application Context module, O/R mapping integration module, Web module.
* Dealt with various Oracle database issues e.g. creating tables and relation between the tables, inner joins, adding, updating and deleting the data in the tables. Implemented PL/SQL Stored Procedures, Triggers and Functions and developed complex Queries.
* Developed the application functionality inside a DAO layer; that can be used in processing of all the transaction of the application.
* Wrote stored procedures and data migration procedures in SQL Server 2012.
* Responsible for developing new features while maintaining the existing functionality.
* Developed **Web Services component using XML, WSDL, Apache Axis 2 and SOAP with DOM parser** to transfer and transform data between applications.
* Deployed application in **WebSphere Application Server**.
* Integrated **Hibernate** for persistence with the DAO and Service layer.
* Used ANT as the Build tool. Deployed and tested on Web logic Application server.
* Involved in unit integration, bug fixing, acceptance testing with test cases, code reviews.
* Unit testing was done using JUnit.
* Fixed various application critical bugs and decreased SQL query execution times for large result sets.

**Environment:** Java**,** J2EE, IBM WebSphere Application Server, Apache Tomcat, Struts, Spring, Hibernate, Java Servlets, Java Script, JSP, Oracle 10g, PL/SQL, XML, Log4j, Apache ANT, RSA ClearTrust, WSDL, Putty, Quest Toad, JUnit, Web Services, Eclipse, Unix.

**Client: Cardinal Health, OH Jan 2011 – May 2012**

**Role: Java Developer**

**Project: EASE**

**Description:** Cardinal Health is one of the Insurance Companies in USA. The goal of Electronic Agent Sales Experience (EASE) program is to increase sales and placement rates as well as reduce operating costs. These goals will be accomplished by making it easier for agents to do business with Assurant Health and to help reduce competitive disadvantage by providing more automation to agents. The EASE program consists of the Quote to Application (Q to A) and Application to Issue Status (A to I Status) projects. The Quote to Application objective is to enhance the agent and intermediary sales experience from the quote through application process for Individual Medical. The Application to Issue Status objective is to provide timely underwriting status for agents and intermediaries selling Individual Medical, Small Group and Specialty Products.

**Responsibilities:**

* Involved in the designing, analysis and testing phases of the Software Development Life Cycle of the project.
* Worked in Agile Scrum environment and actively participated in the Scrum meetings to produce the deliverables within time.
* Used **Spring** **MVC** on the front end using **JSP**, spring tags, spring validation framework.
* Involved in designing and developing the front end of the application using **JSTL, HTML, CSS, JSP and JQuery.**
* Developed data access layer using spring, JDBC, DAO support, implemented DAO class and Mapper class.
* Implemented Factory Method, Singleton and DAO design pattern for maximum abstraction of the application and code reusability.
* Developed spring **RMI** services and **web services** and applied **IOC** (inversion of control).
* Developed Enterprise Java Beans (Session Beans) to perform middle ware services and interact with DAO layer to perform database operations like update, retrieve, insert and delete.
* Designed and developed Application based on **Struts2** Framework using MVC design pattern.
* Created **HTML**, CSS, and **DHTML** pages for front-end, used Struts & **JavaScript** for client-side validation.
* Responsible for creating action classes, action forms for registration API.
* Used **Hibernate** persistence framework on the backend over **Oracle** database.
* Created Stored procedures using SQL for data modification (Using DML insert, update, delete) in SQL Server
* Developed the test cases using **JUnit** to test.
* Created Stored procedures using SQL for data modification (Using DML insert, update, delete) in SQL Server
* Involved in communicating with offshore team to resolve the applications production issues and to deliver the best quality application enhancements to the client.
* **Spring AOP** for cross cutting concerns like logging and exception handling
* Developed the application (MQ Series) using Websphere application server.
* Created **REST web services** for populating and saving data from/to database.
* Interaction with SQL Server database is implemented using Hibernate.
* Developed Web Services to allow communication between the applications using **REST web services.**
* Implemented **Java Persistence API (JPA) through Hibernate**.
* Used Eclipse IDE for code development along with SVN for managing the code.
* Used **JMS** to communicate with enterprise beans implemented and deployed to WebLogic Server.
* Wrote utility functions and SQL queries, PL/SQL to interact with the Oracle DBMS.
* Used Maven to compile, package and deploy the application.
* Migrated the application from **Apache Tomcat** to Weblogic Application Server.
* Create dynamic partition of table to improve data fetch from database and wrote SQL Queries, functions and stored procedure.
* Used BugZilla as defect tracking software.
* Used Log4J for logging the applications exceptions and debugging statements.
* Involved in unit testing using Junit and documentation.
* Developed various UML diagrams like use cases, class diagrams, sequence and activity diagrams.
* Used JIRA for bug tracking, issue tracking and project management.

**Environment:** Java, JDK, J2EE,Collection, JSP, JavaScript ,jQuery, CSS, HTML, core spring, Spring MVC, Oracle, SVN, log4j,Junit,WebLogic application server, Maven, Apache Tomcat, SOAP web service, XML, WSDL,JIRA,Eclipse

**Client: Thornburg Mortgage, Santa Fe, NM June 2009 – Dec 2010**

**Role: Java/J2EE Developer**

**Project: Loan Soft and FiTech**

**Description:** Thornburg Mortgage Corporation, New Mexico based company, is a Mortgage company with provide the loan to the party for developing new house or repair to house. Thornburg Way II is developing to migrate from the existing systems (Loan Soft and FiTech) to a new system, which is based on web-services technology. Thornburg Way II is a huge system which is developing in various phases. In first phase all vendor services (Flood, Title and Appraisal certificate) were developed. In this whenever an Loan is comes for Approval, system build a MISMO XML request message for various certificates(Flood, Title and Appraisal) and sent it to FAWS Web service through JMS. FAWS send request to specified vendor and return back the response to JMS. System get XML response message from JMS and store that information in system. This project is running on the RUP (Rational Unified Processes), we are following the RUP and based on that development progress. In the second phase of the Thornburg we are developing web based Framework for the entire application which currently include the Authorization & authentication block, Session Management, Exception Management, Security, and Data Access Blocks.

**Responsibilities:**

* Assisted in designing and programming for the system, which includes development of Process Flow Diagram, Entity Relationship Diagram, Data Flow Diagram and Database Design.
* Implemented **Model View Controller (MVC)** design pattern using **JSP**.
* Involved in **Transactions, login and Reporting modules**, and customized report generation using Controllers, Testing and debugging the whole project for proper functionality and documenting modules developed.
* Developed **Session beans** to handle the client transactions and entity beans to encapsulate the database tables.
* Designed front end components using HTML, CSS, JavaScript.
* Developed a **controller Servlet** that dispatches request to appropriate Classes. Wrote servlets to handle the transactions.
* Configured the **EJBs** in **WEB.XML, EJB-JAR.XML**, etc to deploy in **WebLogic** Server.
* Involved in developing **Java APIs**, which communicates with the Java Beans.
* Implemented MVC architecture using Struts, Custom and JSTL tag libraries.
* Worked on **Hibernate mappings** and developed backend using **hibernate and HQL**.
* Developed **JSP Custom Tag Libraries** and associated with the controller **Servlets**.
* Involved in development of POJO classes and writing Hibernate query language (HQL) queries.
* Used Java/J2EE Design patterns like **MVC, Factory Method, Singleton, Data Transfer Object (DTO) Service Locator.**
* Used Servlets and JSP pages at the server end for providing the user interface to interact with doctors for file retrieving.
* Created Stored procedures using SQL for data modification (Using DML insert, update, delete) in SQL Server
* Developed SQL, PL/SQL with Stored Procedures to interact with Persistent database using Oracle 10g.
* Created Stored Procedures using SQL/PL-SQL for data modification.
* Developed Junit test cases for regression testing and integrated with ANT build.
* Implemented Logging framework using Log4J.
* Used **ANT scripts** to compile and deploy the application.
* Developed Enterprise Java Beans (Session Beans) to perform middle ware services and interact with DAO layer to perform database operations like update, retrieve, insert and delete.
* Involved in code review and documentation review of technical artifacts.

**Environment:** J2EE/Java, JSP, Servlets, Struts, Hibernate, Java Beans, XML, XSL, HTML, DHTML, JavaScript, CVS, Maven, JDBC, Log4J, Oracle8i, IBM WebSphere Application Server, Windows.

# ACADEMIC BACKGROUND:

Bachelor Degree in Public Health , Jimma University Ethiopia