**Pavan K**

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**Professional Summary:**

* Over 7 years of experience in IT industry comprising of Software Development and Object Oriented Programming that includes requirement Analysis, Design, Development and implementation of Web Based, Client/Server applications and Database applications.
* Extensive experience in developing distributed applications using **Java**, **Servlets**, **JSP**, **JSF**, **JPA**, **JSTL**, **Struts**, **EJB**, **RMI**, **Spring**, **REST**, **SOAP, Java Beans**, **JMS**, **JDBC**, **Hibernate**, **Oracle**.
* Extensive experience in using Spring Framework for building web applications using various modules like **Spring IOC**, **SpringMVC**, **SpringAOP**, **SpringJDBC**, **SpringORM**, **SpringBatch**, **SpringBoot**, **SpringCloud**and **SpringSecurity**.
* Good Knowledge of Web Services using Simple Object Access Protocol(**SOAP**) and Representational State Transfer(**REST**).
* Experience in working with **MySQL, MS Access**, **Oracle9i/10g, SQL Server 2005, 2008**.
* Worked on Applications/ Web Servers **WebSphere**, **Web Logic**, **ApacheTomcat**, and **SpringTC**.
* Hands on experience using Messaging Services like **JMS**, **RabbitMQ**.
* Experience in Service Oriented Architecture, **StrutsFramework**, **Hibernate**, **Design Patterns** and implemented **MVC**, **DAO**, **ServiceLocator, Session Façade**, **Singleton**, **Factory Pattern** and **Business Delegate Design Patterns**.
* Have good understanding of programming concepts like **Multi-Threading**, **Exception handling**, and **Collections Framework**.
* Have good knowledge on administering with **GitHub** and implemented **branching**, **tagging** and **stashing strategies**.
* Experience with build tools **Ant**, **Maven**, for writing **build.xml** and **pom.xml** respectively.
* Developed and implemented Software Configuration Management strategies for various applications by **agile** process.
* Expertise in transforming the business requirement into executable collaboration flow modules.
* Experienced in a **Java multi-threading** environment.
* Has strong communication and interpersonal skills and is a committed team player.
* Quick learner and performer both in team and independent job environments.
* Having the ability of technical troubleshooting/problem-solving.

**Technical Skills:**

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| **Lagunages :** | C/C++, Java, SQL, PL/SQL, UML, HTML, DHTML, XHTML |
| **Web Technologies :** | HTML5, CSS3, Bootstrap, jQuery, AJAX, JSP, Dojo, JavaScript, Ext JS, Angular JS, Node js, React JS, JSON, XML. |
| **Java Technologies** | Core Java, Java Server Pages, Servlets, JDBC, Java Beans, Java Server Faces, Java Persistence API, Web Services, SOAP, REST, WSDL, JAX-RS, JSX-WS, Apache Axis, Apache CXF, Dojo, EJB, JMS, JNDI, RMI. |
| **Frameworks:** | Spring (Spring IOC, Spring MVC, Spring AOP, Spring JDBC, Spring ORM, Spring Security, Spring Batch, Spring Boot, Spring Cloud), Struts and Hibernate. |
| **Operating Systems:** | Windows, Linux, Unix, MS-DOS. |
| **IDE:** | Eclipse, STS (Spring Tool Suite) and Intellij IDEA |
| **Application Servers:** | Web Logic, Apache Tomcat, Spring TC, Web Sphere, JBoss. |
| **Databases:** | MySQL, MS Access, Oracle 9i/10g, SQL Server 2005, 2008 |
| **Testing Methodologies** | Junit, SOAP UI |
| **Design Methodologies:** | Unified Modelling Language(UML) |
| **Protocols:** | HTTP, TCP/IP, LDAP |
| **Web Services** | SOAP, REST |
| **Design Patterns** | MVC, Singleton, Business Delegate, Service Locator, Session Facade, DTO, DAO, Factory Pattern. |
| **Build Tools** | Maven and Ant |

**Quest Diagnostics- Lyndhurst, NJ Feb 2016 to Present**

**Full Stack Developer**

Quest Diagnostics Incorporated is a corporation that provides clinical laboratory services. This system provides Patient Administration, Billing Management functions for the hospital. The major functions of Administration module are Allocating Registration, Recording Personal Details, assigning Insurance Details, Retrieving Patient history records from other hospitals. The Billing module allows Billing and receivables, considers multiple modes of Payment and Rates Definition for Services.

**Responsibilities**:

* Involved in various phases of Software Development Life Cycle (SDLC) such as requirements gathering, modeling, analysis, design, development, and testing.
* Involved in complete development of 'Agile Development Methodology/SCRUM' and tested the application iteration.
* Gathering requirements, Analysis, Design, Development, and Testing of application are done using **AGILE SCRUM** methodology.
* Designed User Interface using **HTML**, **CSS**, **JQuery** and **AngularJS 2** and **XML** in a responsive grid layout. Implemented responsive design template to get a new interface in Bootstrap, HTML.
* Developed the User Interface Screens for using AngularJS, Ajax, JavaScript, and HTML.
* Responsible for implementing the business requirements using **Spring MVC**, **Spring Boot**, **Spring Data** and **Spring Security**.
* Implemented front-end workflow by integrating with back-end services using GWT framework. Processed and organized data from back-end server.
* Expertise in developing single page applications using **Angular JS**, using various angular modules
* Experience in implementing Auto Complete/Auto Suggest functionality using **Ajax**, **JQuery**, **DHTML**, **Web Service** and **JSON**.
* Extensive programming experience in writing web application programs covering front-end UI **jQuery** and **AJAX** for building rich user friendly, high performance web applications.
* Implemented **Spring Boot** with Micro service to divide the application into various sub modules.
* Implemented client side data validations using JavaScript and Server side data validations using **JSF** validations.
* Used jBMP to reduce a gap between Business Analysts and the Developers.
* Developed an API to write XML documents from a database. Utilized **XML** and **XSL** Transformation for dynamic web-content and database connectivity.
* Implemented the application using **Spring MVC Framework** and handled the authentication, authorization, and access-control features by using **Spring Security**.
* Also, used the **Spring IOC** feature to get hibernate session factory and resolve other bean dependencies.
* Involved in creating the **Hibernate POJO** Objects and mapped using **Hibernate Annotations**.
* Developed web services and published in **SOA** environment.
* Implemented Web-Services to integrate between different applications components using **RESTful** using Jersey.
* Used **Docker** to run and manage apps side-by-side in isolated containers to get better compute density.
* Used **Node js** as the event driven JavaScript Run time.
* Developed **RESTful** Web services for transmission of data in **JSON** format.
* Used **NoSQL DB** like **Mongo DB** for the proof of concept.
* Used Apache Camel, an integration framework which empowered to define routing and mediation rules in a variety of domain-specific languages.
* Developed Database Procedures for updating, Inserting, and deleting table for a complete logical Unit of Work (LUW) using PL/SQL under Oracle Database Server.
* Actively involved in writing SQL using SQL query builder.
* Used **DAO** pattern to retrieve the data from database.
* Design and develop custom pipes (JMS, Web Services and SQL) for mandates & accounts to flow into various processing systems.
* Actively used the defect tracking tool **JIRA** to create and track the defects during QA phase of the project.
* Worked with **WebSphere** application server that handles various requests from Client.
* Deploying fixes and updates using **IBM WebSphere** application server.
* Developed test cases using **Junit** and the build scripts using **Maven**.
* Used **Git** to maintain the version of the files and took the responsibility to do the code merges and creating new branch when new feature implementation starts.
* Used **EBS** to create a storage volume i.e. Database and attached to the **EC2** Instance.

**Environment**: Java, J2EE, HTML5, CSS3 JavaScript, AJAX, AngularJS 2,Node Js, JSP, Servlets, Hibernate, Spring MVC, Spring IOC, JIRA and Spring Tool Suite, XML, JUnit, Maven, JAX-WS, jBMP,Log4J, Oracle, WebSphere, Mongo DB WSDL, Git, JFS, Bootstrap, MVC, Star UML, Apache AXIS, UML, SOA, Sun Metro stack, RESTful, Docker, SOAP UI, SOAP, GWT framework, AWS EC2.

**MB Financial Bank – Ann Arbor, MI Jun 2014 to Jan 2016**

**Java Developer**

**Responsibilities:**

* Developed the enterprise application by integrating JSF/**Spring**/**Hibernate** Frameworks.
* Used the Dependency Injection feature provided by **spring** framework for bean wiring.
* Used **spring** framework's JMS support for writing to JMS Queue, **Hibernate** Dao Support for interfacing with the database and integrated **spring** with JSF.
* Implemented JMS listeners to connect to the JMS queues using ActiveMQ for producing and consuming JMS messages.
* Wrote **SQL** queries, Stored Procedures using PL SQL for accessing and managing databases such as **Oracle**.
* Involved in Design, development and testing of web application and integration projects using Object Oriented technologies such as Core Java, J2EE, Struts, JSP, JDBC, **Spring** Framework, **Hibernate**, Java Beans, Web Services (**REST**/**SOAP**), XML, XSLT,XSL, and Ant.
* Used GIT as a version-controlling tool for managing the module developments.
* Worked on mapping the database schema, writing **Hibernate** classes, gathering business requirements to build the page logic, and implementing to match the mock-up. Maintained and updated the Jasper reports.
* Developed a fully functional prototype application using JavaScript (**Jquery, React JS** and Backbone.js) and Bootstrap, connecting to a **REST**-ful server on a different domain.
* Extensive experience in building web applications using Java security and Risk Management modules.
* Followed Agile Scrum methodology that included iterative application development, weekly Sprints and stand up meetings.
* Used Multithreading and Collections Framework including List, Map etc.
* Used **Spring**-JDBC configuration to manage some transactions across multiple databases.
* Used Maven and Jenkins for building the applications EAR for various environments.
* Designed, developed JSP, Servlets and deployed them on JBOSS Application Server.
* Used **Spring** ORM Support for **Hibernate** to manage efficiently **Hibernate** Resources and consistent exception Hierarchy.

**Environment:** JDK 7, JSF 1.2, JBoss, Flex, **Spring**-JDBC 2.5, **Spring**-ws-core 1.5, Wsdl4j 1.6.1, **SOAP**JMS 1.1 Open Source Frameworks: **Spring** 2.5, fix**, Hibernate** 3, Maven 2, Jenkins, Angular JS, EXT JS 6.0, React JS, Log4J and JUnit 4.4 IDE and Tools: Eclipse 3.4, SQL Navigator Data Bases: Oracle10g, Version Control / QA tool: Subversion, tortoise GIT,AWS, Mercury Quality center Application Server: BEA Web logic Application Server 9.2.

**Client: Cetera Financial, MN Oct 2012 to May 2014**

**Jr Java Developer**

**Project Description:**

The project was to design, develop and implementation of Research Portals for clients- Wachovia/First Union. Stock trading/Stock planning administration is dependent on this Research Portal Application. Some of the functionalities of this portal are 'Relative Stock Performance', 'Historical Price Lookup', 'Investment Calculator', 'Stock Charts'.

* Implemented MVC architecture using **Spring**, **JSP**&**Java beans**.
* Involved in development of services based architecture utilizing open source technologies like **Hibernate ORM** and **Spring Framework**.
* Designing and coding of Action classes and Business Layer and DAO Classes and wired them using Spring Framework.
* Integrated **spring** (Dependency Injection) among different layers of an application.
* Worked on **Persistence layer** from simple **DAO** to **Spring/Hibernate**.
* Created and maintained the configuration of **the Spring Application Frameworks IOC Container**.
* Extensively Used JavaScript and Ajax to provide the users with **interactive**, **Speedy**, **functional** and more usable User interfaces.
* Wrote JavaScript validations to validate the fields of the user registration screen and login screen.
* Designed Stateless Session Beans fitting the requirement of the business and implemented its interfaces and tested after deploying using ANT tool.
* Implemented Data Access Objects **(DAO pattern**) using JDBC & PL/SQL.
* Created war files & deployed on WebLogic using **ANT** deployment tool.
* Created Packages, Stored Procedures & Functions in Oracle 10g using PL/SQL & TOAD. This clearly
* separates the Business Logic from the Backend access to the Database and the Front-End Presentation layer.
* Involved in the Code Review Team that suggests the best way so that the product is stable and is implemented with the best performance and efficiency.
* Used JBuilder for code development and tested with **CVS** as version Control.

**Environmen**t: Java, Servlets, JSP, JBDC, HTML, JavaScript, XML, Spring, Hibernate, BEA WebLogic 8.1, EJB 2.0, Oracle 10g, UNIX.

**Clayrock Technologies PVLTD, Guntur, India Jan 2011 to Sept 2012**

**Jr Developer**

**Mobile Billing System**

**Description:** The Mobile Telecom Billing System is an object-oriented Customer Care and Billing system for telecommunication programmed in Java. The system provides interactive editing and query of customer data, of billing and system data and it provides pricing of the services booked and generation of the respective bills.

* Responsibilities:
* Developed the application using **MVC-1 Architecture** using **JSP**, **Servlet** and **EJB**.
* Participated in client requirement gathering.
* Involved in developing Class diagrams, Sequence Diagrams using **UML**.
* Preparation of the Low-Level Design document which include program specification and unit test plan.
* Developed **HTML** and **JSP** pages for user interaction and data presentation.
* Developed **JSPs** to implement the business logic, and use java beans to retrieve the data.
* Involved in Coding of **Enterprise Java Beans**, which implements business rules, and business logic.
* Involved in developing the Java classes and **JavaBeans**.
* Involved in Creation of tables in database.
* Extensively used Net beans for writing code.
* Involved in **Unit** and **Integration Testing**.
* Used **CVS** for source code version control.
* Supported Maintenances and bug fixes.
* Involved in System Analysis and Design methodology as well as Object Oriented Design and development using **OOAD** methodology to capture and model business requirements.

**Environment:WebLogic Application Server v9.0, Apache Tomcat Web Server v6.0, JDeveloper, Core Java, HTML, JSP, Servlet, EJB, Java Beans, MySQL v5.2 CE, JUnit, CVS.**

**LIC, Chennai, India. Aug 2009 – Dec 2010**

**Programmer Analyst**

**Description:** LIC offers various insurance policies to customers like providing health, life and Auto Insurance. I have worked on multiple projects. Contributed in designing a prototype for future system claim processing by developing a web-based service application to streamline office workflow processes involved in Electronic Data Interchange (EDI) transactions and benefits in claims management cycle.

**Responsibilities:**

* Involved in designing.
* Interacting with the system analysts & business users for design & requirement clarification.
* Used J2EE Design Patterns like **Session Facade** pattern.
* Used **Struts Framework** to deal with functionalities like credit issues, invoice details. Used Spring DAO Module along with Struts Framework to deal with Database.
* Developed, and debugged the Servlets and EJB with JBoss Application server
* Developed JSPs according to requirement.
* Used Connection Pooling to get **JDBC** connection and access database procedures.
* Wrote complex SQL queries to retrieve invoice details and other financial elements etc.
* Used **Log4j** as a debugging tool.
* Developed UI modifications for Portal using **XSLT, DHTML, XML** and **JavaScript.**
* Used **SVN** repository for version control.
* Used **ANT** as a build tool.
* Extensively used **JBoss** application server for developing, building and testing the application.

**Environment**: JDK 1.4, J2EE, Struts 1.1, Spring, Servlets 2.3, JSP 1.2, XML 2.0, CSS, CVS, JBoss Application Server, Eclipse, Ultra Edit, XML Spy, AJAX, and ANT.

**Education:**

Bachelors of Technology