**Pavan Kumar**

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**Professional Summary:**

* Over 7+ years of IT experience on Java/J2EE using Servlets2.5, JSP, Struts, Spring, Hibernate, XML, JavaScript's, and HTML.
* Experienced in Core Java, Collections, Multi-Threading, Exception handling, File I/O, Design Patterns, OOPS Concept.
* Implementation, testing, integration, and production support of the enterprise web application using **Java/J2EE** technologies/framework.
* Worked with web technologies like **JSP**, **HTML**, **Angular JS**, CSS, Servlet, Java scripts (used frameworks-JSON) **JQuery**, **MVC frameworks** (Struts, Spring MVC, IOC/DI, AOP) other frameworks (Hibernate, EJB, JUnit) and Database (Oracle, MySQL and DB2).
* Expertise in analysis, design, development, testing and implementation of Java/J2EE application using Java, **Spring**, **Hibernate**, **SOAP (JAX-WS)**, WSDL, SOA, **RESTFUL Web Services (JAX-RS)**, Jersey Framework, Servlets, JAXB, JSON, Java Script, XML, XSD, SQL and using tools like Axis 2.0.
* Worked with **ORM tools** such as **Hibernate** and proficient in **HQL**.
* Designed various modules of application/product with the knowledge of **design patterns** and **OOPS concepts**.
* Good experience in writing and performance tuning database queries and stored procedures using **Oracle**, **DB2** and **MySQL** databases.
* Experience in using **No-SQL databases** like, **HBase** and **MongoDB**.
* Good knowledge in usage of application and web servers such as JBoss, Tomcat and Web Sphere.
* Experience in **client side designing** and **validations** using HTML, CSS, JavaScript, **AJAX**, jQuery, **AngularJS** and **NodeJS**.
* Experienced in Development, Testing and Deployment of enterprise applications on **Windows, Linux and UNIX** platforms using **IDE's** such as **Eclipse, STS, Rational Application Developer (RAD), NetBeans, IntelliJ.**
* Experienced in Coding, testing, analyzing/fixing production defects/issues using Core Java & **J2EE technologies** and involved in code and design review process of team members.
* Experience in installing and configuring **MySQL**, **ORACLE** and **MongoDB** servers.
* Designed and developed custom **Mongo** applications specific to clients' needs and proficiency in multiple databases like MongoDB, Cassandra, **MySQL**, **ORACLE** and **MSSQL** Server. Worked on MongoDB database concepts such as locking, transactions, indexes, Sharding, replication, schema design.
* Hands on Experience in **AWS Cloud** in various **AWS** Services such as RedShift, Cluster, Route53 Domain configuration.
* Experienced in **TDD (Test Driven Development)** using **Junit**, **Selenium** and created technical design document containing architecture of the application/module/product.
* Experienced in Version Control Systems such as **SVN**, **GitHub** and used tracking tool **JIRA**.
* Experience in developing spring features like **Spring MVC, Spring DAO, Spring Boot, Spring Batch, Spring Heroku, Spring Security, Spring Integration, Spring Eureka, Spring Netflix.**
* Experience in **Microservices-Spring Boot, Pivotal Cloud Foundry and Spring Boot**.
* Used **Micro service** architecture with **Spring Boot** based services interacting through a combination of **REST** and **Apache Kafka** message **brokers and Developed data pipeline** using **Apache Kafka**.
* Good experience in developing dynamic websites using the **MEAN stack**.
* Expertise in **XML** and related technologies like **XSD**, **XPath**, **XSLT**, **DTD** and parsers like **DOM** and **SAX**.
* Excellent understanding of Object Oriented design methodology and Core Java concepts such as **multi-threading**, **exception handling**, **generics**, **annotations**, **Collections** and I/O.
* Provided support and configuration services of IP data networks on continuous basis.
* Developed **RESTful** services using **NodeJS** Loopback Framework.
* Experience in build tools like **Ant** & **Maven**, logging with **Log4j**, Test Driven Development using Junit.
* Good programming and debugging skills in **Unix Shell Scripting**.
* Experienced in Document preparation including Design Documents, Technical help documents, User training documents and Test Cases.
* Excellent Organizational and interpersonal skills with a strong technical background.
* Self-starter, fast learner and a team player with strong personal and group communication skills.
* Has good ability to develop scalable, monitor able and maintainable solutions for using complex use cases on their own end-to-end at rapid pace.
* Excellent analytical capabilities and good communication skills.

**Technical Skills:**

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| **Languages** | C++, Java, J2EE, SQL/PLSQL, Python |
| **Operating Systems** | Windows 98/2000/XP/NT, Unix, MS-DOS |
| **Java Technologies** | J2SE, J2EE, JSP, Servlets, JDBC, JMS, MDB, JNDI, web Services, JSF |
| **Web/App. Server** | Tomcat, WebLogic7.0,10.0, and Web Sphere 6.1, JBoss4.5 |
| **Frameworks& Tools** | Struts1.1/1.2, JSF, Spring, MVC, Hibernate, JUnit, Maven, ANT, AJAX, Log4J, Eclipse, STS |
| **Web Technologies** | JSP, JQuery, XML, JSON, HTML, XSLT, JavaScript, CSS, DHTML, Servlets, JSF, Ajax, JSTL |
| **Databases** | ORACLE, DB2, SQL Server, MYSQL, Mongo DB |
| **Design & Modelling** | UML, Design Patterns, Agile SCRUM |
| **Tools/IDES** | Net Beans and Eclipse |
| **Build Tools** | ANT, Maven |
| **Version Control Tools** | SVN, GitHub |

**Professional Experience:**

**Client: Aviva Investors, Des Moines, IA July’2017 – Till Date**

**Role: Full Stack Developer**

**Responsibilities:**

* Extensively used Java 1.8 features such as Lambda Expressions, Parallel operations on collections for effective sorting mechanisms and new Date Time API.
* Used **Restful Web services** which is light weight, maintainable and scalable.
* Used **Java Persistence API (JPA)** framework for object relational mapping which is based on POJO Classes.
* Deployed **MicroServices** to **Ansible Playbook** in **Docker** containers, managed by **Mesos/Marathon**.
* Developed web pages with cross browser compatibility using HTML, CSS3, **JavaScript**, **JQuery**, **Bootstrap** and **AJAX**.
* Used Spring Data JPA which focuses on JPA to store data in relational data base, by which simple Queries are written.
* Used **Angular JS** to address many of the challenges encountered in developing single page applications.
* **Spring Boot Microservices** were developed with microservice architecture using **REST** and **Apache Kafka**.
* Developed **Mongo** DB embedded documents from java code using spring data Mongo DB.
* Working with mongo consultants for work around and fixing up the mongo bugs.
* Worked on service-oriented systems that utilize **REST** web frameworks, **SOAP** and message queue technologies (Spring MVC, Spring REST Template, Spring Integration).
* Worked with **JSON objects** and **JavaScript** and **JQuery** intensively to create interactive web pages.
* Used **Oracle** as Database and Involved in writing **SQL scripts**, SQL code for procedures and functions.
* Implementing Swagger Configuration in Java **Spring Boot** for auto generating swagger JSON files for **REST API** call.
* Used **AWS** Elastic Beanstalk service for deploying various infrastructures which orchestrates various AWS services.
* Designed and developed functionality to get **JSON** document from **MONGO** **DB** document store and send it to client using RESTful web service.
* Implemented a Continuous Delivery pipeline with **Docker, Jenkins, GitHub, and AWS.**
* Worked extensively on the spring framework, implementing **Spring MVC**, **Spring Security**, **IOC** (dependency injection) and **Spring AOP** and used **SOA** for web-based applications.
* Involved in writing java API for **Amazon Lambda** to manage some of the **AWS** services.
* Used **GIT** and **SVN** for source control and **Jenkins** for continuous integrations.
* Developed web service client based on **WSDL's** provided by middleware team for retrieving bill credits and customer agreement data from backend systems.
* Involved in deployment of application on **WebLogic Application Server** in Development & QA environment.

**Environment**: Java 1.8, Spring, SQL, Eclipse, JSP, Servlets, JMS, XML, Ant, XSLT, JSON, SVN, Git, Oracle 11g, JPA, CSS3, Mongo DB, AWS, RESTful, Microservices, Spring MVC, Bootstrap, Spring Data JPA, Jenkins, AngularJS, WebLogic 7.0, SOA, JavaScript, MyBatis, Maven, PL/SQL J unit, Web Sphere.

**Client: Siemens Medical Solutions, Malvern, PA Mar’2016 – June’2017**

**Role: Sr. Java Developer**

**Responsibilities:**

* Involved in the development of presentation tier using HTML, CSS, **Bootstrap**, **Angular JS** and **JSP**.
* Applied **J2EE Design Patterns** such as Factory, Singleton, and Business delegate, DAO, Front Controller Pattern and MVC and actively used OOP concepts.
* Experience in developing web applications using Spring, EJB, **Hibernate**, **MDB**, **JDBC**, Java Server Pages, Servlet, Web Services, JavaScript, JavaBeans, POJO's and Log4j.
* Extensively used AJAX technology to add interactivity to the web pages.
* Used **AngularJS** to address many of the challenges encountered in developing **single page applications**.
* Designed and developed various modules of the application with **J2EE design architecture**, Spring MVC architecture using **IOC**, **AOP** concepts.
* Having experience in various **RDBMS** databases like **Oracle**, **SQL** **server**, **MySQL**. And **NoSQL** database like **MongoDB**.
* Worked on implementing current **Rest web services** to one of cloud computing services **AWS**.
* Used **SOA** and **SOAP UI** for web based applications.
* Responsible for designing Rich user Interface Applications using **JavaScript**, CSS3, **HTML** and **AJAX**.
* Used **Oracle 11g DB** and actively involved in writing PL/SQL functions and packages.
* Used **Spring Data JPA** which focuses on JPA to store data in relational database, by which simple Queries are written.
* Worked on defining application architectures in the distributed cloud environment and utilized **AWS** services such as **ECS, Cloud Formation.**
* Created Mongo **DB**/**NoSQL** collections. Developed Server-side automation using **NodeJS** scripting and connecting different types of SQL and **NoSQL** stores.
* Wrote Cloud Formation templates and deployed **AWS** resources using it.
* Good knowledge of **EJB Session** beans with **JNDI** mapped naming & **JMS** message-driven beans.
* Used **Jenkins** which is an open source continuous integration tool written in Java which provides **Integration services** for software development.
* Used **Hibernate** for mapping an object-oriented domain model to a traditional relational database.
* Logged issues and **bugs** with **Jira**, created and participated in code reviews using **Crucible 2.0/3.0**.
* Used **Spring Core Annotations** for Dependency Injection **Spring DI** and Spring MVC for REST APIs and **Spring Boot** for micro-services.
* Implemented the application using **Spring Boot Framework** and handles the security using spring security.

**Environment**: Java 1.7, JDK, Spring 5, Hibernate 4.0, JNDI, AJAX, Web Services, Bootstarp, Eclipse, AWS Lambda, Micro Services, Restful Service, Jenkins, Spring Data, XML, JSON, Mongo DB, Git, JUnit, JavaScript, Angular JS, JIRA, CSS3, JavaScript, Web logic, Spring MVC, SQL, SOA, Oracle 11g, SQL, IBM Web Sphere, Log4j, UNIX.

**Bank One, Chicago, IL May’2015 – Feb’2016**

**Role: Java Developer**

**Responsibilities:**

* Was responsible for designing and developing Manage Purchase Order Web Service and presentation layer with **Spring MVC**.
* Responsible for Requirement gathering, coding, testing and documentation.
* Architected and deployed Java based web product matching framework that matches products across multiple retailers.
* Responsible for developing and maintaining all the entity and session beans.
* Extensively worked on Drools Rules Engine and Expectation Engine for writing Business rules Validation.
* Designed and developed the messaging framework for communication between workflow manager and other Enterprise Applications over Java class and **MQ-Series** using **JMS**.
* Designed and integrated the full-scale Spring/Hibernate persistence solution with the application architectures.
* Worked on generating the web services classes by using Service Oriented Architecture **SOA, WSDL, UDDI,** and **SOAP**.
* Developed and implemented the MVC Architectural Pattern using Spring Framework including **JSP, Servlets** and **Action classes**.
* Worked on **Angular JS 1.2.0** version for client-side **JavaScript MVC framework** for the development of dynamic web applications.
* Worked on **Node.js v0.11.10** version of Node JS framework for server-side JavaScript framework
* Downloaded data from the Amazon Cloud Database for detailed display by the app.
* Worked with the development team to create appropriate cloud solutions for client needs.
* Implemented database layer using **EJB 3.0** and **Java Persistence API(JPA)** in maintenance projects
* Responsible for developing Use case diagrams, Class diagrams, Sequence diagrams and process flow diagrams for the modules using **UML** and **Rational Rose**.
* Involved in Preparation of the technical design documents and involved in identifying and implementation of different J2EE design patterns like Singleton and DAO etc.
* Developed the presentation layer using **JSP, JSTL, HTML, JSON, XHTML, CSS** and client validations using JavaScript.
* Used **Backbone.js**, **Angular.js, React.js** for building rich Internet applications &Require.js to optimize in-browser use and to Load the module and to improve the Speed.
* Worked on MongoDB database concepts such as locking, indexes, sharing, replication, schema design.
* Using Apache Camel frame work provided concrete implementations of all the widely used Enterprise Integration Patterns (EIPs) and connectivity to a great variety of transports and APIs.
* Contemporary applications rely on relational databases, **NoSQL databases** and messaging infrastructure for achieving the internet scale. Cloud Foundry exposes **MySQL, PostgreSQL, MongoDB, RabbitMQ** and **Redis** as services that offer the database and messaging capabilities
* Involved in designing and development of web interface using **JSP, Servlets, JavaScript** and **JDBC** for administering and managing users and clients.
* Developed the application using My Eclipse 8.5 and used eclipse standard/plug-in features for editing, debugging, compiling, and formatting and build automation.
* Handling user requests such as code enhancements, bug fixes.
* Designed reports per the need of the user.
* Created stored procedures, triggers and functions using SQL Plus to meet user requirements.
* Used Log4j for logging errors, messages and performance.
* Integrated with MDM for managing user data, login and registration information are retrieved from MDM and synced with E commerce database.

**Environment:** Java, J2ee, Java beans, Servlets, JMS, JSP, Drools, Angular 1.2.0, Node.js v0.11.10, Servlets, GWT, Hibernate, EJB, JPA, Spring, Java Script, JDBC, Backbone, UNIX, HTML, XHTML, XSLT, JSON, SOAP, WSDL, Eclipse, Web Services, MySQL, SQL Plus, LDAP, Log4j.

**Client: Larsen & Toubro InfoTech Limited - Mumbai, India Sep’2013 – Oct’2014**

**Role: Web Developer**

**Responsibilities:**

* Worked on AGILE based development Environment and used SOAP based Web Services from scratch to develop interfaces to integrate between front end system and back end systems.
* Designed and Developed dashboard menu section, Home page, Admin home page, user module (Modify/ search users, create user's screens with assigning various roles) using Spring MVC framework, Hibernate ORM Module, Spring Core Module, XML, JSP, JQuery and XSLT.
* Research and Execution of **JavaScript Frameworks**, including Angular JS and Node JS.
* Configured and implemented **Spring AOP** for transaction management, logging and performance tracking and Used **Maven** to build and deploy the application.
* Involved in creation of Soap Web Services, WSDL and web methods with Annotation in hibernate, implemented Web Services in JAXP based on SOAP protocols using XML and XSLT.
* Hibernate outline work is utilized as a part of perseverance layer for mapping an article situated area model to a social database.
* Used **Spring DI**, **Spring DAP** and **JDBC** Template in the persistence layer for GPS, backend being Oracle10g.
* Responsible for creating tables in development schema and wrote oracle packages, procedures and functions in **Oracle 10g**.
* Used Web/application servers such as **Tomcat** and **JBoss**.
* Created test cases for DAO Layer and service layer using **JUnit** and bug tracking using **JIRA**.

**Environment**: Java 1.6, HTML 5, XML, Maven, Hibernate, Spring AOP, JSP, Spring MVC, Junit, JIRA 4.0, JavaScript, JQuery, Angular JS, Node JS, AJAX, JBoss, SOAP, JAX-WS, WSDL, Oracle 10g.  
Additional Information.

**Client: XTGlobal, Hyderabad, India. Jan’2011 - Aug’2013**

**Role: Java/J2EE Developer**

**Responsibilities:**

* Involved in requirement analysis and documentation of workflows & functional diagrams.
* Designed J2EE framework, which generates different screens, based on access level using session beans, JSP & XML. Developed HTML forms & client-side validation using JavaScript.
* Wrote classes to parse XML to display data on UI.
* Implemented **Session Tracking** and **User Authentications**.
* Involved in designing and implementation of complete admin module using HTML, XML, JSP, Multithreading, servlets and **Java Beans** classes.
* Developed an environment where a JSP file is requested which in turn uses a Java bean that generates and sends a form associated to XML Schema.
* Experience working with **MySQL server**, stored procedure, design pattern, etc.
* Created multiple **web-based forms** using Tiles, Servlets, JSP, JSTL, and JavaScript menus.
* Implemented JSP custom tags, developed Struts Actions, Action Form, and Value Objects for presentation tier.
* Similarly, **JavaScript** applications were also developed to support validation and interaction for **presentation layer**.
* Implemented the nested tag concepts of the **Struts tag libraries**.
* Implemented Web Services to propagate business logics to different clients through **SOAP protocol**.
* Wrote Test scripts using **JUnit**.
* Used web services for data exchange using SOAP and WSDL.
* **Hibernate** was used for object/relational persistence and query service.
* **Log4j** was used of logging and debugging purposes.
* Interfaced with the client team and development team during acceptance testing and dry runs on the production systems.
* Developed **Action Classes** and **Java Beans** using Spring MVC architecture.
* Developed Service Classes for business logic and DAO's for Data Base.

**Environment**: Java/J2EE, Struts, JSP, Web logic, Oracle, SOAP, Multithreading, Web services, Hibernate, MySQL, Design Pattern, Shell script, Log4j, JUnit, Unix.