**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).
* Analyzes existing system and programming logic to provide more efficient machine operations or to identify difficulties, and revises the logic and procedures
* 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**.
* Good working experience in Oracle Fusion Middleware stacks 11g which **includes Oracle Service Bus (OEPE, SB Console, and WebLogic Console), ODI** and **Oracle SOA Suite** (BPEL, Mediator, JCA, Database Adaptors, File Adaptors and MDS).
* 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.
* Experienced in a fast-paced **Agile** Development Environment including **Test-Driven Development (TDD)** and Scrum. Hands-on experience with Reporting Tool Crystal Reports to create reports in various formats and tuning the performance.
* 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.
* Experienced in **TDD (Test Driven Development)** using **Junit**, **Selenium** and created technical design document containing architecture of the application/module/product.
* 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**.
* Hands on experience at implementing message validation, transformation, enhancement and error handling in OSB using various features like XQuery, XSLT, Service callout, Java etc.
* 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.
* Designed and coded application components in an **Agile/TDD** environment utilizing a test-driven development and SDET approach and pair-programming.
* Deployed **MicroServices** to **Ansible Playbook** in **Docker** containers, managed by **Mesos/Marathon**.
* Developed web pages with cross browser compatibility using HTML, CSS, **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.
* Developed user interface using **JSP**, **JSP** Tag libraries **JSTL**, **HTML5**, **CSS3**, **JavaScript**, **Angular 4** to simplify the complexities of the application.
* 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**.
* Setting up **Jenkins** pipeline for Kafka Producer and Kafka Consumer for Dev, QA, UAT, Stage and Adoption (CORE), Production stages in OpenShift Online and OpenShift environment and developed Docker repository for different environments.
* Design, develop, and deploy the integration through **Oracle Service Bus (OSB)** for accessing and exposing web services to external systems.
* 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).
* Orchestrate software updates and verify functionality Changing the AWS infrastructure Elastic Beanstalk to Docker with Kubernetes.
* Designing and implementing CI (Continuous Integration) system: configuring Jenkins servers, Jenkins nodes, creating required scripts (Perl & Python), and creating/configuring VMs (Windows/Linux).
* 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.
* Designed and developed functionality to get **JSON** document from **MONGO** **DB** document store and send it to client using RESTful web service.
* Created and managed **microservices** using **Clojure**.
* Created deployment models for **Cloud Foundry**, explaining the underlying VM, Container, and application layout across multiple **PCF** foundations spread across the globe.
* 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, Mongo DB, Angular JS, Oracle OSB, Oracle SOA Suite 11g, RESTful, Microservices, Spring MVC, Bootstrap, Spring Data JPA, Jenkins, Docker, Angular 4/2, WebLogic 7.0, JavaScript, PCF, 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.
* Implemented Data validations for critical functionalities using **Angular2** and **JavaScript**.
* 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**.
* Functionalities include writing code in **HTML**, **CSS**, **JavaScript**, **JQuery**, **Ajax**, **JSON**, **Angular JS**, **Spring** **Boot** and Bootstrap with **MySQL** database as the backend.
* 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**, CSS, **HTML** and **AJAX**.
* Used **Oracle 11g DB** and actively involved in writing PL/SQL functions and packages.
* Integrated and implemented SOA solutions with **Oracle SOA suite**: **Oracle ADF, BPM, BPEL, Oracle Service Bus OSB.**
* Used **Spring Data JPA** which focuses on JPA to store data in relational database, by which simple Queries are written.
* Development experience on mobile devices / tablets **(iOS)** and multiple Linux platforms.
* Worked on defining application architectures in the distributed cloud environment and utilized AWS services such as **ECS, Cloud Formation, IAM.**
* Deployed application using **Pivotal Cloud Foundry (PCF)** CLI. Used Pivotal Cloud Foundry, the connection/service binding details are injected from the deployed cloud platform itself.
* 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.
* Involved in developing a single page, Mobile-first, cross-device(IOS)/cross-browser web application.
* Created Typescript reusable components and services to consume **REST API's** using Component-based architecture and reusable templates using **Angular2** directives and worked with **NPM** package manager tools **(Node JS).**
* Developed Angular.js as framework to create a Single Page Application (SPA) which can bind data to specific views and synchronize data with server and used **Karma-Jasmine** unit testing.
* Worked with cross platform issues with **IOS**.
* 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.
* Developed and writing unit tests on both client and JS server side using **Jasmine, Mocha** and **Chai frameworks**.
* 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.
* Experienced in implementing **oracle SOA** Mediator for content and header based routing of messages.

**Environment**: Java 1.7, JDK, Spring 5, Hibernate 4.0, JNDI, AJAX, Web Services, Angular2, Bootstrap, Eclipse, AWS Lambda, Micro Services, Oracle, karma, Jasmine PCF, Restful Service, Jenkins, Spring Data, XML, JSON, Mongo DB, Git, JUnit, JavaScript, Angular JS, JIRA, CSS, JavaScript, Web logic, Spring MVC, SQL, SOA, Oracle 11g, SQL, IBM Web Sphere, Log4j, UNIX, SOA.

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

**Role: Java Developer**

**Responsibilities:**

* Worked on **Agile Scrum** methodology and involved in stand-up meetings to monitor the progress.
* 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.
* Created and executed unit test programs using **Spring Boot** test platform which included frameworks such as **Junit, Mockito, Spring Test, Ham crest, and Assert.**
* 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:**

* Involved in Technical software and application design, Collaborating and consulting with business analysts.
* Developed web application using **J2EE**, **Spring**, **JPA**, Web Services and **Oracle** **Database**.
* Implemented spring transaction management for **database** transactions.
* Worked on enhancements with the existing application which was implemented using **MVC** **paradigm**, implemented by Spring **Framework**.
* Worked with **Spring** annotations like Request **Mapping**, Auto-wired, Qualifier, and Primary etc.
* Worked with **Ajax** and **jQuery** to meet the business requirements across the application.
* Designed application interfaces using **J2EE**, **XML**/**SAOP**, **WSDL**, **Web** **Services** and **Servlet**.
* Designed and developed user interfaces using **JSP**, **Java** **script**, **XML**, **XSL** and **HTML**.
* Used Subversion for Versioning and concurrent access to the project files.
* Worked on developing **RESTful** endpoints to cache application specific data in in-memory data clusters like REDIS and exposed them with **RESTful** endpoints.
* Implemented Data Access Objects (**DAO**) to access the Oracle database using Spring **DAO**.
* Implemented web services using Spring-Rest and developed delegated services to access other web services.
* Created and tested **Mockito** test cases for Unit testing.
* Involved in writing **SQL** queries as **Creating** & **Modifying** Stored Procedures, Views, Functions, **Tables**, and Indexes.
* Used **Maven** as a build tool and **Tomcat** **webserver** for deploying the application.
* Used **log4j** to capture the log that includes runtime exceptions and debug information.
* Written **SQL** queries for Performing **CRUD** Operations using **JDBC**.
* Designed Screens using **HTML**, **CSS5**, **JavaScript** and **images**.
* Administering the **SQL** Server by creating user logins with appropriate roles, dropping and locking the logins, monitoring the user accounts, creation of groups, granting the privileges to users and groups.
* Involved in creating **Unit** **Test** plans and executing the same.
* Detail-oriented team player with Great analytical and demonstrable communication skills.
* Ability to work under minimal supervision and interested in learning new technologies.
* Reviewing Low level design, code, **unit test** documents produced by team members.
* Participated in daily **SCRUM** meetings and give the daily status report.
* Provided feedback and technical guidance to Project Managers on issues of critical importance to achieving business objectives.

**Environment:** Spring MVC, Hibernate, C++, Java, JSP, HTML, CSS, Java Script, Ajax, Oracle, Xml, SVN, JIRA, Swings, Tomcat Server, Maven, Restful API, Oracle 11g, SOAP, WSDL, JDBC, DAO, JDBC.

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

**Role: Java/J2EE Developer**

**Responsibilities:**

* Involved in the discussions with business users, testing team to finalize the design documents and story point's allocation for user stories.
* Followed **Scrum** **Agile** methodology for iterative development of the application.
* Used **core** **Java** to build new functionality based on the requirements.
* Involved in **core** **java** concepts - Interfaces, **Collections**, **Multithreading**, **Serialization** and **java** features etc.
* Developed **JavaScript** and **jQuery** functions for all **Client**-**Side** Validations.
* Designed & Developed User Interfaces using **Ext JS** **UI** **Framework**, **HTML5**, **CSS3**, **JSP**, **Struts**.
* Used **ANTLR** recognition tool to find the relation between the dependent controllers, Objects, workflows and triggers across various Org.
* Worked with **SQL**, Stored procedures, **Triggers**, **PL/SQL** programming and **JDBC**.
* Written **SQL** Queries to interact with **Oracle database**.
* Web application development for back end using **Angular** **JS** and **Backbone** **JS**.
* Used **XML** applications to create **XML** strings send and receive data from **Mainframe** Martens.
* Generated the Model part of **MVC** with spring and Hibernate Framework.
* Extensive experience in development and implementation of **ORM** framework like **Hibernate** integration with **Struts** and **spring**.
* Used String Template for code generation since the possibility of duplicate code for primitive collections is high.

**Environment:** Java (JDK 1.7), J2EE, JPA, spring 4.0, MVC, Eclipse, JUnit, JSP, XML, String Template, (SOAP, REST), Web Sphere as application server, SQL, PL/SQL, HTML5, CSS3, JSP, Structs, jQuery.