## **Pavan Kumar**

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IT professional with over **7+ years** of experience in Object Oriented Analysis, Design and **Java Development** using **Java/J2EE** technologies. Excellent communication and interpersonal skills, quick learner, self-motivated, ability to work individually and as well as in a team environment with good team spirit.

**Professional Summary:**

* Experience in all stages of Software Development Life Cycle (SDLC) including gathering requirements, analysis, design, development, testing and implementation of projects using software methodologies like **Agile/Scrum** and **Waterfall**.
* Extensive expertise with **Java, J2EE**, **JSP, JDBC, Servlets, Java Beans, EJBs** (Session beans, Entity Beans and JMS), **J Boss, JavaScript, Angular 2, Knockout js, jQuery**, **CSS, Ajax, Jason, XML, DTD,** **XSD, JAXP, JAXB, Web Services, Struts, Spring, Microservices**, **Hibernate** and **Oracle PL/SQL.**
* Good knowledge on Object Oriented Analysis, Design and Object modelling using **UML** like Class diagrams, **Use cases**, **Sequence** and **Test Cases**.
* Experienced in Behavior driven development (BDD) and Test-driven development (TDD) approach using **SCRUM** framework under **Agile Methodology**.
* Used Spring **MVC** components to implement business layer and **Spring Boot** for **Micro-services**.
* Having Extensive experience on **core java** concepts like Multi-Threading, Inheritance, Abstraction, Encapsulation, Polymorphism, Exception handling, and Collections Framework.
* Using **Java 8** features such as **Lambda expressions**, Functional Interfaces, Streams to avoid **boilerplate code**, keep code simple and extensively used core java technologies such as Collections, Multi-Threading, Exception Handling.
* Familiarity with Amazon Web Services (AWS) technologies including **EC2, S3, RDS, ELB,** and **Elastic cache**.
* Experienced in JMS over messaging to exchange the information in more reliable and asynchronous way in enterprise Applications. Used Apache ActiveMQ, **Apache Kafka** and **Apache Camel** as JMS provider.
* Created a Micro services using Spring Data **REST API** and tested with POSTMAN.
* Expertise in implementing applications with **Model-View-Controller** (MVC) pattern and implementing various **Java/J2EE** design patterns including Singleton, Factory, **MVC,** Front **Controller**, **DAO**, Data Transfer Object and Session Facade.
* Proficient in building Web Applications using **HTML5**, **XML**, **XHTML**, **AJAX**, **JavaScript** (jQuery, **AngularJS**), **Bootstrap** and **CSS** in a Client/Web Server environment.
* Experience in working in Software Configuration Management using **TortoiseSVN**, **Microsoft Visual Source Safe** (VSS) and Visual Studio Team Foundation Server (TFS).
* Building and deploying applications in **AZURE**.
* Good experience in writing application on **No SQL** databases like **Cassandra** and **MongoDB**.
* Experience in developing the User Interface (UI) Applications and professional web applications using **HTML 4.0/5, CSS2/CSS3**, **JavaScript**, **Angular JS 2.0/4.0**, **React JS, Node JS, jQuery**, **AJAX, JSON, XHTML, XML** and **Bootstrap**.
* Hands on Experience with Middleware Technology Messaging Brokers like **JMS, Active MQ**, **Rabbit MQ**.
* Experience in dealing with **DevOps** tools like **Jenkins,** **Git Stash**, **Dockers**.
* Exposure building **Java applications** using tools like ANT, MAVEN and Gradle.
* Have experience working in **Agile** **methodology**.
* Experience in **Data Modeling** and working with **Cassandra Query Language** (CQL).
* Experienced in **React JS** and working with React Flux architecture.
* Developed and maintained code for various applications using **PHP, Java** and **MySQL**.
* Created **LINQ** enabled database layer using **API** such as **LINQ** to **SQL** and **Entity Framework**.
* Experience in creating SPA pages with **AngularJS**.
* A Good team player with excellent communication and inter-personal skills with a positive attitude towards work, loyalty towards time schedules for worthful delivery.

**Technical Expertise:**

**Languages :** Java, J2EE, XML, PL-SQL, Unix Shell Script, C, C++, JavaScript.

**Databases :** SQL Server, MySQL, Oracle Postgres SQL, Mongo DB, Cassandra.

**Web Technologies :** JSP, JSON, Servlets, XML, HTML, XSLT, JSF, CSS, JavaScript, Node JS,

Angular JS, Angular 2.0/4.0, Bootstrap, DOJO, JAXB 2.2.11, JMS.

**J2EE Technologies :** Struts, Spring, JDBC, EJB, Java Beans.

**Application Servers :** JBOSS, BEA WebLogic

**Web Servers :** Tomcat 6.x/7.x/8.x, IBM WebSphere.

**Database Tools :** TOAD, SQL Developer, MySQL Work bench.

**Operating Systems :** Windows, Unix and Linux.

**IDE's :** Eclipse, IntelliJ.

**Frameworks :** Struts 1.x/2, JSF 2.x, Angular JS 2.0/4.0, Spring 4.x/3.x, iBatis 2.x, Spring

Framework, Hibernate 3.x/4.x, JSP and velocity, Spring MVC, Apache Camel.

**Tools & Packages :** CVS, SVN, GIT, GitHub, Maven, Gradle, Jenkins, ANT, Log 4J, Mockito,

Junit, Jenkins, JIRA, Design Patterns.

**SDLC Methodologies :** Agile, Waterfall and Scrum Models.

**Professional Experience:**

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

**Role: Full Stack Developer**

**Responsibilities:**

* Involved in full life-cycle of the project from requirements gathering to transition using **Agile Methodology**.
* Following **Agile - Sprint** methodologies to do requirements gathering, analysis and planning, development & testing.
* Developed applications using **Spring Boot** and **Micro services** Architecture.
* Participating in Agile scrum meetings, updating the tasks based on the user stories in Rally.
* Using **Eclipse** as **IDE** tool and Rally for bug and issue tracking, Any Point Studio for Mule Soft.
* Developing an Integration Component with third party application using Mule ESB 3.7.1.
* Implemented **Java 1.8** features for the existing application where ever required.
* Implementing **SOAP web service** components using **JMS**, **Mule ESB**.
* Developing **Core Java** programs for all business rules and workflows using spring **MVC** framework and spring Data **MongoDB.**
* Development of **REST API** to create a Web- services to communicate between different application.
* Using **Spring Boot** for developing microservices, Soap to retrieve data from client-side using Microservice architecture and Pivotal Cloud Foundry (PCF) for deploying microservices.
* Rewriting **java code** using AKKA Framework because of Mule performance issues.
* Developing code for **SOAP Web services** using **XML** and used **SOAPUI** tool for testing the services proficient in testing Web Pages functionalities and raising defects.
* Used **Streams** and **Lambda expressions** available as part of **Java 8** to store and process the data.
* Migrating the legacy monolithic struts application to **Micro services** platform.
* Design and developed Micro sites, Aggregators and **Micro services**.
* Involving with bug fixing on functionality, performance and designing issues with **JavaScript** and **AngularJS.**
* Used **Jira** Atlassian tools like **Bamboo** for Continuous Integration and deployment, **Bit Bucket** and Confluence.
* Using **SOAP UI** and **POSTMAN** for testing Workday endpoint URL's and development of webservices.
* Implemented the Project structure based on **Spring MVC** pattern using **spring boot.**
* Developed **Micro Service** to provide **RESTful API** utilizing **Spring Boot** with Spring **MVC.**
* Implementing Swagger Configuration in **Java Spring** **boot** for auto generating swagger **JSON** files for **REST API** call.
* Designed and developed **Micro Services** using **node.js**, **Mongo DB**, **Neo4J**, Elastic search on Cisco Private Cloud OpenStack Platform.
* Implemented **AngularJS** Controllers to maintain each view data. Implemented **Angular** Service calls using **Angular Factory**.
* Used **SOAP** based **Web Services** from scratch to develop interfaces to integrate between **front end** **systems** and **back end systems**.
* Implemented source control and version control using **GIT Hub** and **JIRA** & Version One.
* Maintained the Version, Labeled Versions and Backups of the source using **GitHub**.
* Maintained and debugged existing code **Jira**, **Stash/GIT**, and Used **SVN** for version control.
* Everyday tasks include **Agile**, **Rally**, **Jira**, **GitHub**, **Stash**.
* J2EE application development on Windows and **UNIX** platforms using **MVC** pattern
* Created Business Logic Layer, Repository Layer & Data Access Layers to implement **MVC architecture**.

**Environment**: Java 8, J2EE, HTML, CSS, JavaScript, XML, Docker, JSP, Angular JS, Servlets, Spring, Struts, Hibernate, Spring Boot, Restful Services, Elastic cache, Web services, SQL, , Stash, AWS, bamboo, Microservices, Eclipse, Maven, JUnit, WebLogic 10.X, IBM WebSphere Application Server, JIRA, ClearCase Unix/Shell Scripting.

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

**Role: Sr. Java Developer**

**Responsibilities:**

* Involved in requirement gathering, functional and technical specification.
* Used **Java-J2EE** patterns like **Model View Controller** (MVC), **Business Delegate**, **Data Transfer** **Objects, Data Access Objects**, factory patterns.
* Worked on testing and deployment automation with **Docker, Jenkins, AWS** and Ansible.
* Setup Drools Rule Engine on **JBOSS** server and manage configuration.
* Involved in writing java **API** for **Amazon Lambda** to manage some of the **AWS** services.
* Involved in analysis, specification, design, and implementation and testing phases of Software Development Life Cycle (SDLC) and used agile methodology (SCRUM) for developing application.
* Upgraded existing UI with **HTML 5,** **CSS3**, **jQuery** and **Bootstrap** with **AngularJS 2.0** interaction.
* Used **Spring Framework** AOP Module to implement logging in the application to know the application status.
* Implemented the application using Spring IOC, **Spring MVC Framework**, **Spring Batch**, Hibernate and handled the security using Spring Security.
* Configured persistence-Context in Spring Framework and Hibernate as a persistence provider to interact with the database.
* Develop Services using **Rest API** and JAX-WS Services.
* Continuous development using the **Java 8** latest features like **streams** and **filter** techniques.
* Implemented modules into **Node.js** to integrate with design and requirements & also back-end service using **Node.js** and **REACT** modules.
* Produced **Restful Webservices** using **JAX-RS** and **Jersey Framework**.
* Developed user interface using **JSP, JSP** Tag libraries, third party libraries and **Java Script** to simplify the complexities of the application.
* Utilized **Cassandra**, **NOSQL** database management system for keeping user generated data by upgrading of Couch base and **Cassandra** cluster.
* Converted the static **HTML** design markup to fully functional components by writing the custom directives in **Angular JS**.
* Worked on Datastore technologies like **MySQL, PostgreSQL**, and the ELK and Implemented caching for API responses using **REDIS** and optimized code.
* Implemented **Micro Services** in our application as part of **DevOps** implementation using **REST and Maven.**
* Developed Microservices to provide **RESTful API** utilizing **Spring Boot** with **Spring MVC**.
* Moving existing monolithic architecture to microservices and migrating them to **AWS cloud**.
* Utilized **AWS EC2** instances to deploy **Docker** containers with microservices architecture.
* Experience with **AWS S3** services creating buckets, configuring buckets with permissions, logging, versioning and tagging.
* Reduced latency by 20% with utilized **Redis** to construct distribute cache processing.
* Developed single page applications using **AngularJS**.
* Used **jQuery** and **AJAX** to make asynchronous calls to the Controllers to validate business logic and load partial views in **MVC**.
* Involved in enhancing the application for client’s requirement based on demand using the **MVC** pattern, **J Query, Bootstrap**, and **Web API** and SPA Application using **Angular JS**.
* Involved in creating web pages using **Angular JS**, **JavaScript**, **jQuery**, **HTML** 5.0 and **CSS**.
* Improved user experience using **jQuery**. Used **jQuery** event handling mechanism to dynamically assign events on web controls.
* Developed advanced **ETL** import packages using **SSIS**, **T-SQL** to transform and import raw index data into database tables.
* Provided efficient error handling to the **SSIS packages**.
* Used **Fiddler** to **debug** web **request** and **responses** to solve user issues on the client side.

**Environment**: Java, J2EE, Spring Framework, Angular JS 2.0, Spring MVC, Node JS, AWS, Cassandra, Docker, Hibernate, Bootstrap, HTML, JSP, CSS, JavaScript, jQuery, AJAX, Rest Webservices, Microservices, Spring Boot, Kafka, Redis, Splunk, Selenium, Mockito, JUnit, JSON, WebLogic Application Server, Junit, GIT, Maven, Jenkins.

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

**Role: Java Developer**

**Responsibilities:**

* Involved in all stages of **SDLC** started from requirements gathering to Analysis, Design, Implementation, Testing and Deployment of entire project.
* Developed Web Service for retrieving Employee Data (based on **XML**, **WSDL**, and **SOAP**).
* Worked extensively on the **UI,** created views by utilizing **MVC3**, and created view models.
* Consumed Web Services using **WCF** for online transactions using **C#** and exposed them through **SOAP** and **HTTP**.
* Worked in an **Agile** work environment with Content Management system for **workflow** management and content versioning.
* Developed **Frond End Web** application by using **Angular JS, Bootstrap**, **HTML, CSS3** (SaaS) and JSF.
* Worked extensively with **Core Java**, **Multithreading**, and **Collections.**
* Designed front-end user interfaces with **React JS** by creating many components and modules.
* Worked on Spring DAO module encapsulated using DAO pattern to implement persistent layer components.
* Used and implemented the application using **Spring MVC, Spring IOC**, **Spring Annotations** modules and Hibernate.
* Integrated with **Redis** Cache and Rabbit MQ to store and propagate common information like account and diagnostics information.
* Developed Web Services to allow communication between applications through **REST** over **HTTP**.
* Used **JSON, XML, XSL** and **XSLT** for consuming **RESTful** **Web Services**.
* Migrating existing application into REST based Microservices to provide all the CRUD capabilities using Spring Security.
* Done with Create DB, Collection, Documents, Projection, Aggregation, Replication, Sharding & Back up using **Mongo DB**.
* Designed and implemented a stream filtering system on top of **Apache Kafka** to reduce stream size.
* Involved in migrating existing monolithic application into Microservice Architecture based **RESTful** Service and deployments were done using **Docker.**
* For deploying the application, we used **JBOSS** and we are responsible for usage of Continuous Integration and Continuous Delivery (CICD) process.
* Used **Oracle** as database and Involved in the development of **PL/SQL** backend implementation and using SQL created Select, Update and Delete statements.
* Implemented SOA architecture with web services using **SOAP, WSDL, UDDI** and **XML**.
* Designed extensive additions to existing **Java Web Application** utilizing Service Oriented Architecture (SOA) techniques.
* Used extensively OOPS, Core Java, (J2SE, Collections, multithreading and exception handling), Servlets.
* Worked on **Redis** Cache, Memcached and Rabbit MQ.
* Deployment, support and configuration of cloud services performed such as **AWS** (Amazon Web services).
* Have done data model principles, fit-gap analysis, prototyping, development, implementation, maintenance and support during the product design and development.

**Environment**: Java, J2EE, JSP, Springs, Redis, Hibernate, Eclipse, Web Logic 10g, jQuery, MVC, Oracle 11g, HTML5, CSS, Angular JS, XML, UML, Web Services, JUnit, EJB, GIT, Apache Kafka, Windows, UNIX.

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

**Role: Web Developer**

**Responsibilities:**

* Participated in requirement gathering sessions with the client and preparation/modifying of the requirements in Requirement Specification document.
* Designed and developed Application using Spring Framework, Spring MVC and Spring Templates.
* Developed front end using the JSF, JSTL, HTML, CSS, Bootstrap, JavaScript, jQuery, Typescript and AngularJS.
* Involved in Requirements gathering, analysis, and design, development, and Testing and Maintenance phases of the application.
* Implemented Agile development process on Software Development Life Cycle.
* Used Spring Core for concept Inversion of control (IOC) implemented using dependency injection.
* Used Hibernate Query Language (HQL) for writing the queries.
* Developed Soap and Rest web service clients to communicate with third party vendors.
* Involved in using REST API while integrating with servers.
* Created sequence and stored procedures for analyzing complex queries.
* Developed Junit test classes for unit testing purposes.
* Involved in setting up Maven configuration and helping Continuous Integration (CI) Issues.
* Developed server running script for automation using the JBoss 6.3 application server
* Extensively used GIT as the version controlling Tool.
* Configured Log4j for adding the debugging information in the code base.
* Involved in creating JUNIT test cases and ran the TEST SUITE. Ran check style, PMD defects & Find bugs and fixed them.
* Involved in debugging the defects, code review and analysis of Performance issues.
* Involved in peer level design & code reviews. Used GIT for version and source control.

**Environment:** Java /J2EE, Multithreading, core Java, Spring, Hibernate ORM 4.3.0, Spring web-flow, Spring MVC, Spring AOP, Spring Hibernate, JSF, JSTL, HTML, CSS, Java Script, AngularJS, Bootstrap, XML.

**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.
* Good Experience in **SOA** engineering and Microservices Architecture utilizing **REST** and **SOAP** **Web** **Services**.
* 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, Web Services (SOAP, REST), Web Sphere as application server, SQL, PL/SQL, HTML5, CSS3, JSP, Structs, jQuery.