## 

## **PAVAN KUMAR**

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## **515-306-9255**

**OBJECTIVE:**

Over **8+ years** of strong software experience in **design, development** and **deployment** of **web-based Client-Server** business applications using **OOP, Java/J2EE technologies**.

**PROFESSIONAL SUMMARY:**

* Ability to efficiently translate algorithms, ideas and concepts to software applications.
* Proficient in applying design patterns like **MVC, Singleton, Session Facade, Service Locator, Visitor, Observer, Decorator, Front Controller, Data Access Object.**
* Expertise in design with Use Case, Sequence diagrams, Activity diagrams, Class diagrams with exposure to **UML**, tools like **Rational Rose** and use of **Rational Unified Process (RUP**)**.**
* Extensively worked on during my tenure in Software Development are **AngularJS, ReactJS, Spring MVC, Spring Integration, Spring Batch, Apache POI, Hibernate, REST Web services,** and Databases like **Oracle.**
* Extensive experience in developing scalable, reliable and efficient enterprise applications using **Java, Spring, Struts, Hibernate, Web Services, RESTful, JSF, JDBC, JSP, Servlets, EJB, JMS, XML, XSLT, JAXB SQL,PL/SQL, Unix Shell scripting.**
* Used **Web Sphere Application Server, Web Logic Application Server, Jboss**and **Apache Tomcat** in all my projects and successfully deployed and compiled many of the applications on them.
* Expert level skills on **JQuery, JavaScript, VBScript, Perl, AJAX, Adobe Flex, ActionScript, JSON, HTML, DHTML, CSS, Tiles, Tag Libraries.**
* Extensive experience in using **Amazon Web Services like RDS,EC2,Redshift,SQS,SNS,Cloud Watch and S3**
* Experience in developing Web-Centric applications using **AngularJS, BackboneJS, ExtJS, NodeJS, JavaScript, JQuery,** and **CSS3.**
* Hands on experience with build tools like **ANT**, **Maven** and logging tools like **Log4J.**
* Expertise in unit-testing with **JUnit** using tools like **JMeter.**
* Experience in **Agile** software development process, **Test Driven Development** and **Scrum** methodologies.
* Experience in Developing GUIs using Eclipse **RCP/SWT** and **Core Java** Design patterns.
* Good Experience in software configuration management using **CVS, GIT and SVN.**
* Experience in using **Maven and ANT** for build automation.
* Knowledge on **Build tool Jenkins** with configuring check styles, Test coverage.
* Experienced with **Splunk** tool for production support.
* Part of **Scrum, Sprint review, Retrospection** and **Virtual Closure** meetings as a part of **AGILE.**
* Excellent at understanding new technologies and capable of implementing without conventional training
* Strong Analytical and programming skills in using technology to develop **effective complex business solutions**.
* Excel under pressure and thrive in dynamic environments. Comfortable with ambiguity and multitasking.

**AREAS OF EXPERTISE:**

**Web Application Development, Software Development, Project Coordination, Program Design/Implementation,**

**Requirements Management, Unit and Integration Testing, Technology Integration, Program Documentation**

**Software Coding, Web Programming, Test Design and Execution, Software Implementation**

**TECHNICAL SKILLS:**

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| --- | --- |
| **Java/J2EE Technologies** | Servlets, JSP, JSTL, JDBC, JMS, JNDI, RMI, EJB, JFC/Swing, AWT, Applets, Multi-threading, Java Networking |
| **Programming Languages** | Java JDK1.4/1.5/1.6, C++, C, SQL, PL/SQL |
| **Application/Web Servers:** | Oracle/BEA WebLogic 8.1/9.1, IBM WebSphere 5.1/6.0/6.1/7.0, JBoss, Tomcat 5.0.28/6.0 |
| **Frameworks** | Struts 2.x/1.x, Spring 3.x, Hibernate 4.x/3.x, JSF 1.2/2.0,iBatis |
| **IDEs** | Eclipse 3.x, IBM WebSphere Application Developer 5.x, IBM RAD, Scala |
| **Web Technologies** | JSP, JavaScript, JQuery, AJAX, XML, XSLT, XHTML, DHTML, CSS, SASS, HTML,  AngularJS, Ext JS, backbone JS. |
|  | JAX-WS, JAX-RPC, JAX-RS, SOAP, WSDL, UDDI |
| **XML Tools** | JAXB, Apache Axis, AltovaXMLSpy |
| **Methodologies** | Agile, Scrum, RUP, TDD, OOAD, SDLC |
| **Modeling Tools** | UML, Rational Rose, Visio |
| **Testing technologies/tools** | JUnit, JMeter, HtmlUnit |
| **Database Servers** | Oracle 8i/9i/10g, DB2, SQL Server 2000/2005/2008, MySQL |
| **Version Control** | CVS,SVN, Rational ClearCase |
| **Build Tools** | ANT, Maven |
| **Platforms** | Windows 2000/98/95/NT4.0, UNIX |

**TECHNICAL EXPERIENCE:**

**Client: Comdata, Brentwood/Tennessee Jan 17 – Till Date**

**Role: Full Stack Developer**

**Description:** Corporate Payment is contained framework with multiple applications. These are the applications which hosts different kinds of tests in different areas which test user’s skills and abilities in that particular area. The stakeholders of the applications are mainly test takers and administrators who host these tests from different parts of the world. Test takers use the scores of these tests as credibility for multiple educational opportunities.

**Responsibilities:**

* As a Java back end developer, responsible for implementing business scenarios based on **JAVA/ J2EE** technologies.
* Involved in Requirement gathering, Design, Analysis and Code development by following **Agile** methodology.
* Developed UI pages with **HTML5, CSS3, JavaScript, JQuery,** and used **Boot Strap** for creating Responsive Web pages.
* Created **AngularJS Controller** to control the flow of data which isolate scopes perform operations in UI pages.
* Creating a range loop directive, modules, Expressions, scope, Templates and components in **AngularJS, ReactJS, NodeJS and** developed the server side single page applications on **AngularJS** platform using **JavaScript** programming.
* Used **Multi-threading** to overcome the errors in transactions and to handle all the threads by the main thread process.
* Developed the Application using Spring Features like **Spring MVC, ORM, Spring Boot and Spring Security** for**application access**and**authorization, Spring Integration, Spring AOP** for crosscutting concerns.
* Used **Spring Ribbon** API to check servers are up and running in live environment to detect those servers that are down.
* Designing and implementing scalable, **RESTful** and **Micro-services-based services for** mobile back-end. The back-end is being written in **Java** using **Spring Boot** for simplicity and scalability.
* Worked on creation of custom **Docker** container images, tagging and pushing the images to the servers.
* Used slick to **query and storing** in database in a Scala fashion using the powerful **Scala collection framework.**
* **Designing, Development, JUnit testing** and **Integration** of many components of the applications from end-to-end and Prepared **Junit** test cases and executed them using **Junit** and **Continuum** for integration testing.
* Develop unit test using **Karma** and **Jasmine**. Followed strict patterns of RA team for unit test cases with **jasmine**.
* Used **JMeter**for stress testing**,Selenium WebDriver** for testing the automation code**.**
* Used **Maven** as a build tool for compilation and building JAR, WAR and EAR files and retrieved all the dependencies required for the running the application, Log4J for logging errors ,messages and control log statements.
* Worked on **Git** as version control management and **JIRA** as Defect management for bug, issue tracking of application. Used **JENKINS** for **continuous integration (CI)** and **continuous deployment (CD)** pipeline.
* Implemented the application using **design patterns** such as **Session Façade**, **Business Delegate**, **Adaptor**, **Bean Factory** and **Singleton** and Deployed the application in **Apache Tomcat Server.**

**Environment: JAVA(1.7, 1.8), J2EE, Spring 4.x, CXF, XFire, SOAP , Oracle11g, PL/SQL, Postman, JMS, JBoss, JUnit, Power Mockito, Mockito, JAX-WS, JIRA, UML, Maven, HTML.**

**Client: ETS/ACCENTURE, Princeton-New Jersey July 2016 – Jan 2017**

**Role: Full Stack Developer**

**Description:** Java Software Engineer to design, develop, maintain and test software for the Business Process Automation team, collaborating with the development team and business partners to ensure successful delivery and implementation of application solutions

**Responsibilities:**

* Developed the**J2EE** application based on the **Rest API** web services.
* Worked on **Spring boot framework**
* Worked on micro services by using Spring Cloud with **Netflix** and **Eureka**
* Worked on No SQL databases like **Couch base** and **MongoDB**
* Developed the functionalities under Agile Methodology **JIRA** processes.
* Hands-on design and development for customer facing applications that require high availability, concurrency, multi-tenancy, high scalability for a large global user base.
* Build features using **TDD** (Test driven development) and Domain driven design in **DevOps** environment with continuous integration, regression and deployment.
* Ensure feature quality by extensive testing covering different aspects such as unit, integration, functional, performance and regression with a focus towards automation.
* Responsible for development to deployment including troubleshooting and production fixes.
* Ensured Agile distribute weekly Reports and followed up on Change Activity, managed, released documents and maintain server database.

**Environment: Java, J2EE,JDK 1.6, RCP, WebLogic, AWS SDK, Ext JS,  Git,  Spring 4.x,   Java, SOAP/Rest, Couch Base, MongoDB, Postman, Web Services, UML, Web Services, HTML5, CSS, SASS, RAD 7,WAS 8 WSDL, JIRA 5.x/6.x, JAXB,**

**Client: HCA/Parallon Nashville-TN May2014 – June 2016**

**Role: Senior Java Developer**

**Description:** BEQ – Business Event Qualifier Portal Optimization

BEQ is defined as a system used to define and process the business rules for awarding American Express Card Holders on their spend behavior/activity. It also supports CCP with the current reward information of the Card holders in real time

**Responsibilities:**

* Involved in all the phases of software development lifecycle (**SDLC)** including Requirements Collection, Design & Analysis of the **Customer** Specifications, Development, Deployment and Customization of the Application.
* Developed UI using **HTML**, **CSS** and **jQuery** to display the data on the client side. Wrote **SPA (Single page web applications**) using **NodeJs**as the server side**, GULP, WEBPACK (ES6),Restful** web services plus **AJAX** and **Angular JS**.
* Used **backbone JS** to optimize in-browser use, to load the module and to improve the Speed. Front-end development by utilizing Java script frameworks such as **JQuery**, **Backbone Js**,**NodeJS**and **AngularJS.**
* Developed a dashboard based on **Ajax calls** with Business Customers Count, Flags, Real-time graphs for Analytical Reporting using **NodeJs** and Wrote code to fetch data from web services using **jQuery AJAX**for asynchronous communication **via JSON** response and updating the modified data to display in UI pages.
* Designed and developed Application based on **Spring Framework**, **Spring MVC** and **spring templates,** Used Spring Framework for **Dependency Injection** and integrated with **Hibernate DAOs** for ORM mapping.
* Composed and executed **MongoDB** document scripts to insert, update NoSQL database, automating data changes.
* Used **NoSQL MongoDB** database to provide recommendations on Performance tuning for applications.
* Used **Hibernate framework** in persistence layer for mapping an object-oriented domain model to a relational database.
* Worked on **Pivotal Cloud Foundry** to host **Application** which used to role-based access controls, applying, enforcing roles and permissions to ensure that users can only view and affect the spaces for which they have been granted access.
* Re-architect monolithic service into **Micro services** based architecture using spring boot and **pivotal cloud foundry.**
* Developed EJS access layer and components using **JPA/Hibernate** frameworks implementations for object persistence to Derby database for mock domain and for real time domains.
* Used Selenium Data Driven framework for testing the application and integrating it with**Maven** [Build Management Tool], **TestNG** [Unit Testing tool] and **Jenkins** [Continuous Integration Tool] for continuous delivery pipeline.
* Created and configured management reports and dashboard using **Splunk** by identifying data patterns, metrics.
* Implemented the logging using **log4j** framework which is used to log both User Interface and Domain Level Messages.

**Environment: Java, J2EE,JDK 1.6, RCP, WebLogic, AWS SDK, Ext JS, Git, Swing, JFC, Perl, Sybase, Spring 4.x,  AWS SNS/SQS, Hibernate 4.x,Core Java, SOAP/Rest, Web Services, JavaScript, UML, Web Services, HTML5, CSS**

**Client: First Citizens Bank, Phoenix, AZ. March 2013 – April 2014**

**Role: Senior Java Developer**

**Description:** First Citizens Bank is one of the largest banking institutions in the world. Bank offers various financial and banking services to its customers. Worked on application named Access portal. It is a part of online banking that allows a customer to view quick summary of transactions and account details. It also shows mutual funds associated with account

**Responsibilities:**

* **J2EE** deployment on **WebLogic/JBOSS** servers - QA & Staging
* Troubleshooting issues that may occur during the test cycle (Functional & load test) for the **J2EE** applications on **Struts and Spring** framework running on **WebLogic/JBOSS** servers.
* Developed services that are reusable and interoperable, based on **SOAP, WSDL, JAXWS, JAXRPC Web services.**
* Well versed with core Java concepts like **Collections, Swing, Serialization and Servlets & JSP.**
* Provided installation, configuration & maintenance of pre-prod and production Cloud environments including services such as **Tomcat, Apache, Jetty, MongoDB, MySQL, and Jira**.
* Developed **POJO** objects and used **Hibernate** as the **Object-Relational Mapping (ORM)** tool to access the persistent data from SQL Server.
* Defined collections to store data in **MongoDB.**
* Developed Pl-Sql store procedures to convert the data from Oracle to **MongoDB.**
* Developed user interface using JSP with **JavaBeans, JSTL and Custom Tag Libraries, JS, CSS, JQuery, Node.js, HTML, SASS and Ajax** to speed the application.
* Prepared and presented **UNIX** production and implementation schedules to the Project Manager and client.
* Wrote **PL/SQL** Queries, stored procedures, triggers and prepared statements.
* Used the DBI/DBD module for **Sybase** connection from PERL scripts
* Developed Test classes using **JUnit and Easy Mock** and test coverage using **EMMA** plug-in.
* Worked with **Splunk** to logging and analyzing defects status.
* Knowledge on **Jenkins** builds.

**Environment: Java , J2EE, JDK 1.5, UNIX, JBoss 3.0,Spring core, MongoDB, JMeter, Swing, Hibernate, Jetty, Core java, Perl, Sybase, Spring MVC, Hibernate, SOAP/Rest Web services, FileNet, Ajax, XML, jQuery, Ext JS, HTML5, CSS, TC Server,**

**Client: State Farm, Bloomington, Illinois Mar 2010 – Jan 2013**

**Role: Sr. Java Developer**

**Description:** The State Farm hosted enrollment website for premier insurance clients that will allow a user to establish an account that will allow registration of multiple cards to one username and password. They will be able to receive the alerts via SMS, email or both when their card is used in a country that is determined to be outside their home country. The enrollment web service utilizes the in Control platform to deliver the alerts. In addition the existing Common Registration Web Service and Banknet Bridge services are utilized.

**Responsibilities:**

* Involved in the design and development phases of **Agile Software Development.**
* Analyzed current Mainframe system and designed new GUI screens.
* Developed the application using 3 Tier Architecture i.e. Presentation, Business and Data Integration layers in accordance with the customer/client standards.
* Automate report generation in **MongoDB** using JavaScript, shell scripting, java.
* Played a vital role in **Scala** framework for web based applications
* Used **FileNet** for Content Management and for streamlining Business Processes.
* Created Responsive Layouts for multiple devices and platforms using foundation framework.
* Implemented **printable chart report** using **HTML5**, CSS3 and jQuery.
* Applied **JavaScript** for client side form validation.
* Worked on **UNIX, LINUX** to move the project into production environment.
* Created **Managed Beans** for handling JSF pages and include logic for processing of the data on the page.
* Used Object/Relational mapping tool **Hibernate** to achieve object to database table persistency.
* Worked with **Core Java** to develop automated solutions to include web interfaces using HTML, CSS, JavaScript and Web services.
* Created simple user interface for application's configuration system using **MVC** design patterns and **swing** framework.
* Developed web GUI involving **HTML, Node JS, Java Script under MVC architecture**.
* Creation of **WebLogic** domains and setup Admin & Managed servers for **JAVA/J2EE** applications on Non Production and Production environments.
* Involved in the configuration of **Spring Framework and Hibernate mapping tool**.
* Monitoring **WebLogic/JBoss** Server health and security.
* Creation of Connection Pools, Data Sources in **WebLogic** console.
* Implemented **Hibernate** for Database Transactions on **DB2.**
* Involved in configuring **hibernate** to access database and retrieve data from the database
* Written **Web Services (JAX-WS)** for external system via **SOAP/HTTP call.**
* Used Log4j framework to log/track application.
* Involved in developing **SQL queries, stored procedures**, and functions.
* Creating and updating existing build scripts using Ant for deployment Tested and implemented/deployed application on WAS 6.1 server.
* Used **Rational Clear Case** for Version Control.

**Environment: FileNet, IBM RAD 6.0, Scala, Java 1.5, JSP, Servlets, Core Java, Spring, Swing, Hibernate, JSF, ICE Faces, Hibernate, HTML , CSS, JavaScript, NodeJs, UNIX, Web Services- SOAP, WAS 6.1, XML, IBM WebSphere 6.1, Rational Clear Case, Log 4j, IBM DB2.**