**Pavan**

**Email:** [**pavan.tech64@gmail.com**](mailto:pavan.tech64@gmail.com)

**Phone: +1(515)-423-0201**

**Professional Experience:**

* **5+ years** of experience in design, development and integration of software applications and framework design using **object-oriented** and **enterprise technologies** in **Agile working environment**.
* Experience in **Web Application Development**, **Client-Server based Enterprise Applications,** **System Analysis**, **Technical Design**, **Performance Tuning**, and **Testing**.
* Hands on experience with Core **Java 8** features **like Functional Interface Programming**, **Lambda’s**, Streams including extensive knowledge with concurrency, multi-threading, exception handling, filters, and Generics.
* Adroit in design and development of **Service Oriented Architecture** (SOA) Web Services using **JAX-WS** (SOAP), **JAX-RS** (REST) and **JAX-R** with **Spring**-**Boot**, **Apache-Cxf**, **Jersey**, **Axis** and **Node** (Express, Hapi).
* Experience in **MVVM** client-side JavaScript frameworks such as **Angular 4**, **Angular 2.0**,
* Experienced in **Angular JS, Backbone JS, Ember JS, Knockout JS, Ext JS** for unique and customize front end app development and to achieve **MVC** design flow.
* Expertise in design and development of **Single Page** dynamic-client-side application using **Angular 4**, **React JS, Meteor JS, Ember** JS and **Vue Js.**
* Solid experience in developing the rendering, re-rendering view **React JS** components, forms, events, and **Redux** asynchronous functions, client-side routing with **React Router** and **React** - **Flux** pattern for core dependency.
* Good knowledge of **HTML, XHTML, HTML5, Java-Script, CSS, AJAX, jQuery, JSTL specification, XML (SAX, DOM), XSL, XSLT, JAXP, JAXB, DTD, Resource Properties.**
* Proficient in using and designing **Creational, Structural** and **Behavioral Design Patterns**
* Proficient with various spring modules like **Spring IOC, Spring MVC, Spring JTA, Spring Batch, Spring Boot, Spring Cloud, AOP** and **Spring Security**.
* Expertise in designing and deployment of **spring cloud-based Netflix Oss** microservices with extensive experience with configuring **Ribbon** load balancing, **Eureka** naming server**, Hystrix** and **Zul** api gateways.
* Experience in working on **Java Server (Prime) Faces (JSF)** to build java technology-based web application on server side for event handling, data conversion, server-side validation, and page navigation.
* Worked on **WSDL, Swagger** and **WADL** implementing **Soap** services using **Axis-2** and **Apache CXF** framework & **Restful** Services.
* Experience in using of Java Script build tools and task runners like **Webpack**, for **React**, **Firebase** and **Angular 2.0/4.0**, **Grunt**, **Gulp** for **Angular 1.0**, **Browserify** for packaging **Node JS** modules for browsers.
* Extensive experience with using java based ORM frameworks like **Hibernate, JPA** and **Spring Data**.
* Dexterous with database modeling and development using **SQL** and PL/SQL in **Oracle** (8i-11g), **DB2** and **SQL** Server environments.
* Experience with Version Control Systems like **Subversion (SVN), GIT** & **Clear case**. Experienced with automated **UI testing tools** like **Jasmine, Karma, Protractor** and worked in **TDD** environment.
* Experience with relational databases like **MYSQL, PL/SQL, Oracle** and **MS SQL** to build PL/SQL functions, store procedure, triggers, views and materialized views.
* Experienced with working with NoSQL databases like **MongoDB** and **Apache Cassandra**.
* Extensively Worked with NoSQL connectors **Mongoose** and **Cassandra Node Driver**.
* Comprehensive knowledge of J2EE standard’s and compatible application servers **Tomcat, Jboss**, **WebSphere** and **Glassfish**.
* Experience in publishing and subscribing **streams** of records in enterprise message system and in designing and building real time streaming **data pipelines** using **Apache Kafka**.
* Comprehensive experience with using integration tools like **Spring Integration**, **Apache CXF Mule ESB**, **Apache Kafka** and **Apache Camel** to integrate the enterprise application technologies with existing JVM environment.
* Cloud based deployment experience on **Amazon EC2** and their other offerings like **S3** and **AWS**.
* Good understanding of PAAS platforms like **OpenShift** and **Pivotal Cloud Foundry**.
* Experience in designing **point-to-point** and **publish & subscribe** java message-oriented middleware models **(MOM)** using **Active MQ, Rabbit MQ, IBM MQ** and **Strom MQ.**
* Experience in deploying the applications using **Docker** container services and building continuous integration and deployment pipeline using Jenkins with GitHub.
* Used **Kubernetes** Linux container for deploying and scaling containerized applications.
* Used **Jenkins** to deploy the services to automate and build QA environments.
* Extensive experience in testing code using **Chai, Mocha, Junit, Mockito, Selenium, Cucumber, TestNG** and Soap UI.
* Proficiency in various development methodologies like **Pair Programming**, **Rational Unified Process** (RUP), **Test Driven Development** (TDD), **Extreme Programming** (XP), **Waterfall model**, **Scrum**, **Agile**, and **Rational Rose**.
* Experience in application development using RDBMS, and **Linux shell scripting**.
* Good conceptual skills with **Version Cont**rol and there-by possess a good understanding of **Git, CVS, VSS** and **SVN.**
* Hands on experience with build tools like **Maven, Ant** and **Gradle**.
* Experience using task runner tools like **GRUNT**, **GULP**, **NPM** and **BOWER**.
* Experienced with **Splunk** and **ELK** (Elastic Search, Logstash, Kibana).
* Used **Maven** as a build tool and Jenkins for monitoring the build status of the project.
* Experience with developing scalable applications using **JSP’s EJB, JNDI, Struts, JMS**

**Technical Skills:**

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| **Java/J2EE** | JDBC, JNDI, EJB, AWT, Servlets, JSP, JSTL, JSF, Spring and Hibernate. |
| **Web Services** | JAX-WS, JAX-RPC, JAX-RS, Apache CXF, Axis, Jersey |
| **Databases** | Oracle, DB2, SQL Server, MySQL, MongoDB, Cassandra |
| **Languages** | C/C++., Java(proficient), SQL, PL/SQL, Python, Octave. |
| **Web Development** | JSP, JavaScript, jQuery, AJAX, XML, XSLT, HTML, DHTML, CSS, Bootstrap, Angular  2.0/4.0, React JS, Express.js, Ext JS, Backbone JS, Node JS. |
| **Web / Application Servers** | Oracle/BEA WebLogic, IBM WebSphere, JBoss, Tomcat, Jetty Server, jerkins, **AEM**,  Nginx. |
| **Build Tools** | ANT, Maven 3.0, Gradle, NPM, Grunt, Gulp, Bower, Jenkins |
| **Methodologies** | Agile, Scrum, RUP, TDD, OOAD, SDLC Waterfall model |
| **Modeling Tools** | UML, Rational Rose, Visio |
| **Testing Tools/Technologies** | JUnit, JMeter, Selenium, Cucumber, S Pock, Mockito, TestNg, Karma, Jasmine,  Protractor, Mocha, Chai, Soap UI |
| **Cloud** | Amazon Webservices (AWS) Cloud, Pivotal Cloud Foundry (PCF) |

**Education:**

**Bachelor of Engineering** in Electronics and Communication, SRM University, India.

**Master’s in computer science**, Wilmington University, Delaware, USA.

**Professional Work Experience:**

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

**Sr. Full Stack Developer**

**Roles & Responsibilities:**

* Involved in Analysis, Design, Development, and Production phases of the application.
* Actively participated in the architectural design of the application.
* Involved and interacted with users, customers and Business users for the requirements and training with new features.
* Worked closely with development team and developed Single Page Applications using **Angular 6, Typescript, HTML5, CSS3 and Bootstrap 4**.
* Strong experience with setting up **AEM/CQ5** using Maven and standard Eclipse tools.
* Designed and implemented the **Single Page** User Interface for client service module using **Angular 4.0**, **HTML-5, CSS/CSS3, SASS**.
* Involved in development of documents version using web services (AXIS).
* Used **Bootstrap along with Angular 4.0** for responsive design for the exposed enterprise application.
* Worked with **Angular CLI**, **Ng Modules** and **Typescript** in **Angular 4.0** to create Controllers, media queries and Angular grid, carousels components.
* Created **custom elements**, **HTML imports** and **Shadow Dom** using **Angular 4** to allow fully encapsulate custom elements,
* Enhanced **Template-Driven** and **Model Driven** forms mechanism by adopting **@NgRx/store** and **@NgRx/effects** which optimizes the storing and state of the data while navigating between the forms in application.
* Experienced in planning, design and implement portal solutions using **WebSphere Portal**.
* Implemented modules using Core Java APIs, Java collection, Java 8 (Streams), multi-threading and object-oriented designs.
* Updating the projects with latest angular versions (**Angular 6**) and updating the projects with the latest features.
* Implemented **i18n**(internationalization) for UI to support multi-language feature, Dashboards with graphical charts using Angular JS.
* Develop cross browser compatible web pages quickly and effectively using **jQuery, HTML5, CSS3, Responsive Web Design, Bootstrap and Angular JS**.
* Optimized the performance of application using **Angular 4 Lazy Loading** and ahead of time compilation.
* Used **React Js** with **Redux** and **Firebase** for **prototyping components, rendering** and **re-rendering** services, state management, programmatic navigation and overall design layout.
* Used **React-Router** for client-side routing.
* Used **NPM, Yargs** for managing dependencies and dev-tool dependencies.
* Built-in **AJAX HTTP** Service with observables is used extensively for making quick and incremental updates to UI of the application.
* Experienced in using **WebSphere Dashboard Framework** builders.
* Worked on implementation of microservice architecture using **NodeJS** and **Spring Boot**.
* Developed the code for **exception handling** for the modeled Api requests for the applications.
* Implemented scrutiny with the aspects of security and authentication using **OAUTH 2.0** and **Spring Security**.
* Implemented **Action Classes** and **server-side validations** for account activity, tracking activity history and Transactions.
* Used Web Services to interact with Websphere Process Server.
* Conversions of JCL codes to equivalent Unix Shell Scripts and testing
* Designed and developed SOA based enterprise system using Oracle SOA Suite and WebSphere Developed HQL queries for CRUD.
* Implemented Web Services using SOAP Technology.
* Played a vital role in comprehensive documentation and understanding of **Swagger** Documentation.
* Developed configuration logic for microservices using **Spring Cloud, Spring feign**, and implemented logic for load balancing using **Ribbon** and **Eureka** as the naming server.
* Usage of **Java 8**to implement Delete and Read REST API's for Administrator, load management software.
* Implemented the logic for **Api Gateways** using **ZUL Api** for dynamic service, rating services and aggregations of services along with **Spring cloud sleuth, Zipkin** and **Rabbit MQ** for dynamic tracing of microservices.
* Used **Hystrix** for fault tolerance using **Hystrix dashboard monitor** along with **Spring cloud bus**
* Worked with various java patterns such as **Service Locater** and **Factory Pattern** at the business layer for effective object behaviors.
* Created the application in UNIX and windows platforms, involved in shell script or UNIX operating system.
* Develop SOA service documents for Enterprise Applications.
* Responsible for analyzing, finding the root cause, and fixing the response issues from various microservices.
* Used **Hibernate**, object/relational-mapping (**ORM**) solution, technique of mapping data into **MYSQL** database for relational data.
* Developed single page application by using **Angular JS**backed by **MongodB** and **NodeJS**.
* Used mongoose connector for connecting **MongoDB, and Cassandra Node Connector** for connecting to **Cassandra DB,** for unstructured data
* Implemented **CRUD** logic for accessing data, both relational and unstructured data.
* Implemented **Rabbit MQ** Services for reliable and asynchronous exchange of information.
* Handled consumer logs and monitor **Kafka Metrics** using **Kafka Manager**.
* Deployed the **Docker image** of services building **Docker file** and build a continuous delivery pipeline for containers using **AWS Code Pipeline** and **Amazon ECS**.
* Implemented automated tests using **jasmine, mocha** and **karma** frameworks for front-end unit testing.
* Used **SoapUI** for implementing test cases using properties access data driven advance assertions.
* Deployed the application using **Docker** and **AWS Console services**.

**Environment:** Java 8, J2EE, HTML5, CSS3, Type Script, Angular 6, REACT JS, REDUX, NPM, YARGS, Spring

Boot, Spring AOP, Spring Cloud, Netflix ZUL, Rabbit MQ, Hystrix Swagger, Node.js, OAUTH 2.0,

MongoDB, Cassandra, Spring Data, MYSQL, Hibernate, Mongoose, Apache Kafka, Docker, AWS, EC2,

Jenkins, Selenium, SoapUI, Jasmine, Karma, GULP, Maven**.**

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

**Java UI Developer**

**Roles & Responsibilities:**

* Involved in Requirements gathering, **Analysis, Design, Development,** and **Testing** of the application using **AGILE** methodology (SCRUM).
* Developed the web interface using **HTML5, CSS3, JavaScript, jQuery, AngularJS,** and **Bootstrap.**
* Designed **Java Components** and integrated using **spring framework** with **Hibernate Object/Relational persistence mechanism.**
* Used **Structs Framework** in the application, which is based on **MVC design pattern**.
* Involved in writing **Spring Configuration** **XML**, a file that contains declarations and business classes are wired-up to the frontend managed beans using **Spring IOC pattern.**
* Implemented the application using **Spring IOC, Spring MVC Framework,** and **Spring Batch** and handled the security using **Spring Security.**
* Worked on developing web service calls using **SOAP** and **WSDL.**
* Having good experience in implementing the **Node.js server-side** code to interact with **Mongo DB** to store and retrieve data by using the **Mongoose drivers.**
* Involved in installing, upgrading, configuring and Troubleshooting **IBM Web Sphere Application Server** and **IBM MQ on AIX** and **Linux**.
* Worked on Multi Site Manager (MSM) in **AEM** to control over blueprints and live copies and work on rollout configurations.
* Extensively used **AEM** tagging features in developing components and templates. Used JavaScript for writing listeners in the dialogs.
* Implement web service components using Apache CXF framework.
* Created web services using SOAP for SOA to get data from Mainframes and content manager.
* Involve in the design of portlets for WebSphere Portal.
* Used **Web Services** for transmission of large blocks of **XML data** using **SOAP.**
* Tested the application functionality with **JUnit Structs Test Cases.**
* Worked with **NPM commands** and using package. **JSON** for managing dependencies and dev-dependencies of **Node.js** applications.
* Validated Customer, Account, Address and Order entities with **Drools rules engine**.
* Used **Node.js** for server-side code and **Express.js** as the framework. Written callback functions for the Restful **API**.
* Identified and fixed various production issues related to **IBM MQ server on Linux, UNIX,** and **Windows system.**
* Used **Structs Model-View-Controller** approach to help design new features and **fix Jira bugs** and request.
* Developed **Rest Web services** for IOS and Android mobile websites and apps.
* Involved in **integrating JAX-RS** into **Spring Boot** application.
* Perform **AEM** customization on foundation components and workflows to extend functionalities, improve performance or fix issues on project level.
* Implemented **Micro Services** using **Spring Boot, Spring Cloud, Spring Micro Services** and enabled discovery using **Netflix Eureka Server**.
* Used Web Service Client to consume web services within portlets .
* Added the required **jars** to the **drool’s files** build the package and deployed it on the **JBoss server**.
* User level support for multiple applications including **web-based, iOS,** and **Android mobile apps.**
* Worked throughout the full stack **(Node.js, Angular.js)** to see software extensions through to completion.
* Implemented Restful Web Services to retrieve data from client side using **Micro Services architecture.**
* Authorizing access rights to **AEM** users and groups for accessing DAM resources.
* Created web services using **spring @Rest Controller to return JSON** to the frontend.
* Hands-on Experience with **Drools, Apache Camel, Active MQ, Rabbit MQ, IBMMQ**.
* Sending requests and responses to **Microservices** through **REST/HTTP.**
* Involved in working with **structs Tiles2.0** for the look and feel for a web application.
* Fundamental mastery of **AWS clouds** computing platform and its dimensions of scalability.
* Used **AWS deployment services** to quickly set up a dynamic website and configured virtual servers.
* Responsible for maintaining and expanding our **AWS infrastructure using AWS EC2, manage documents in S3, providing IAM access to S3 buckets.**
* Designed and developed **DAO layer** with **Hibernate standards**, to access data from **SQL Server**.
* Created **SQL Server logins** and assigning roles and Authentication models as a part of Security.
* Used multithreading in programming to improve overall performance using Singleton design pattern in Hibernate Utility class.
* Backup, recovery, and troubleshooting for **IBM MQ.**
* UI design using **iOS latest feature Adaptive Layout.**
* Developed the persistence layer using **Hibernate Framework**, created the **POJO objects** and mapped using **Hibernate annotations** and **Transaction Management.**
* Implemented service methods and **SQL queries, PL/SQL** to interact with the forms.
* Performed deployment of applications on **IBM Web Sphere Application Server.**
* Involved in creating **Mongo DB, collections** **and documents** and **developed Mongoose Schema** object to perform **CRUD** operations.
* Responsible for **Continuous Integration (CI) and Continuous Delivery (CD)** process implementation using **Jenkins** along with **LINUX Shell scripts** to automate routine jobs.
* Development carried out under **STS Integrated Development Environment (IDE).**
* Used **MAVEN** to define the dependencies and build the application and used **JUnit** for suite execution and Assertions.
* Developed **AEM** components by using Touch UI interface.
* Developed digital consumer experiences based on foundation of the **AEM** product suite used DAM for image management.
* Used **JIRA** for **bug tracking, issue tracking,** and **project management.**
* Developed Web Services using WSDL and XML.
* Developed Web server (Tomcat) and Application Server WebSphere configurations and coordinated in the deployment and maintenance of middleware operations.
* Used **GIT** as source control management giving a huge speed advantage on centralized systems that must communicate with a server.

**Environment:** Java, Agile Methodology, Structs, Spring IOC, Spring MVC, Drools, Spring Boot, Spring

Cloud, Spring Batch, Spring Security, HTML5, IBM MQ 7.0, 7.1 and 7.5, MB 6.1, 7.0, and 8.0, CSS3,

Node.js, Bootstrap, AngularJS, JSTL, jQuery, AJAX, AWS EC2, S3, Micro Services, Hibernate, Restful API,

SOA, JAX-RS, JSON, SQL, Oracle, CRUD, CI, CD, Jenkins, JIRA, RabbitMQ, MAVEN, JUnit, UNIX, STS, IBM

Web Sphere, Log4J, GIT.

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

**Java UI Developer**

**Roles & Responsibilities:**

* Was responsible for designing and developing Manage Purchase Order Web Service and presentation layer with **Spring MVC**.
* Developed the Front-End User Interface using **HTML**, **CSS 2 and JavaScript**. Integrated the Java code (API) in **JSP** Pages**.**
* Responsible for Requirement gathering, coding, testing and documentation.
* Architected and deployed Java based web product matching framework that matches products across multiple retailers.
* Extensively used **AEM** Tag Libraries in the components.
* 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.
* 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, UNIX, HTML, XHTML, XSLT, JSON, SOAP, WSDL,

Eclipse, Web Services, MySQL, SQL Plus, LDAP, Log4j.

**Larsen & Toubro InfoTech Limited - Mumbai, Maharashtra Sep’2013 – Dec’2014**

**Java/Web Developer:**

**Roles & Responsibilities:**

* Experience in **PHP, XAMP, CodeIgniter, Laravel PHP** Frameworks and WordPress CMS.
* Extensive experience on Web Technologies using **PHP5.X, HTML4/5, CSS2/3, JavaScript, jQuery, Ajax, JSON** on windows operating systems.
* Excellent experienced on designing, building & supporting complex CodeIgniter Web applications for large consumer focused websites.
* Extensively used **JavaScript, jQuery** and **AJAX technologies** to build dynamic Web contents with high performance.
* Experienced on **XAMP**. (Windows, Apache, MySQL and PHP) architecture.
* Proficient in developing websites and Web applications using **OOPHP, MySQL, HTML 4.01/5, XML, CSS, Java Script, JSON, XHTML, jQuery & AJAX.**
* Excellent experience in MySQL database designing, development and installation.
* Extensive working experience with Content Management Tools such as WordPress.
* Experienced in IDEs like **NetBeans, Sublime Text, Dreamweaver, Notepad++ etc**. Proficient understanding of client-side scripting and JavaScript and CSS libraries, including jQuery, jQuery UI and Bootstrap.
* Solid experience with both Model View Controller (MVC) architecture-based Web Application Development.
* Excellent experience on MVC or HMVC frameworks like CodeIgniter.
* Experienced in WordPress Themes developing WordPress custom plugins, creating short code and resolving WordPress configuration issues.
* Expertise in Object Oriented Programming (OOP) Concepts using PHP 5, skilled at progressing from problem statement to well documented low-level code design.
* Experienced with Content Management Systems (CMS) such as WordPress.
* Excellent understanding of code versioning tools, such as **SVN**.
* Good Experience in interaction with Clients as well as converting the Business Requirements into Technical Specifications.
* Well versed with complete Software Development Life Cycle (SDLC) process which includes Designing, Developing, Testing and Implementation.
* Excellent experience in web services using **REST API, POST MAN**.

**Environment:** PHP, MySQL, Ajax, jQuery, CSS/CSS3, HTML 5, JSON, JavaScript