

Pranay

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**Summary:**

- 8 plus years of IT experience in various web-based, Enterprise, Client/Server and Distributed applications using **Java/ J2EE**.
- Have extensive knowledge and working experience on **Software Development Life Cycle (SDLC)**, **Service-Oriented architecture (SOA)**, Object Oriented Analysis and Design (OOAD), **UML** and **J2EE Architecture**.
- Experienced in design and development of web applications using the technologies like **HTML, CSS, JavaScript, Bootstrap, AngularJS** and **Backbone JS**
- Implemented various **Ajax Frameworks** such as **jQuery, DOJO, JSON**.
- Experience in developing Web Applications with various frameworks, **Jakarta Struts 2.0, Spring, Spring MVC, JSF, Servlet, JSP, JSTL** and **Filters**.
- Worked with various modules of spring framework like **Spring IOC, Spring AOP, Spring Batch, Spring DAO, Spring boot** and **spring web services**.
- Extensively worked on Core Java concepts and expertise in **collection** framework
- Extensive experience in developing, implementing and maintaining an **AJAX** based rich client for improved user experience.
- Exceptional understanding in JavaScript framework like **JQuery**
- Expertise in object-oriented JavaScript and framework such as **AngularJS, NodeJS** Familiar with **Express JS** and **Meteor JS** web application framework.
- Good Understanding of **Document Object Model (DOM)** and **DOM Functions**
- Implemented **SOAP** based web services by using various API's like **AXIS2, Apache CXF**, strong knowledge in using **WSDL** and **UDDI**.
- Worked with **JERSEY, CXF** API to implement **RESTful** web services, strong knowledge on JAX-RS annotations.
- Expertise in implementing the persistence logic using **JDBC, JPA, Spring JDBC, Hibernate** and **i-batis** framework.
- Experience in database programming using **Oracle, SQL Server, DB2, MySQL** and proficiency in developing SQL in JDBC as well as client server environments.
- Expertise in noSQL database like
- Good knowledge on cloud **AWS, EC2, S3, RDS, Load Balancer, Auto Scaling, SQS** and **Amazon Simple DB**.
- Worked on different Applications and Web Servers like **IBM Web Sphere, BEA Web Logic, Apache Tomcat** and **JBoss**.
- Well versed with J2EE Design Patterns like **DAO, Service Locator, Value Object, Business Delegate Pattern, Front Controller Pattern, Singleton, MVC, Session facade** etc
- Performed Integration and deployment of applications using **ANT, Maven, Hudson, Quick Build** and **Jenkins** and worked on repositories like **CVS, Clear Case, SVN, GIT**
- Worked on **Selenium** to perform Automation testing and Performance testing is done by using **Jmeter** and **Load Runner**.
- Designed and developed various integration components using **JMS, MQ Series** and **Apache Kafka**.
- Strong knowledge on working with **Jasmin-Karma, Protractor** for client side unit testing
- Experience on working build tools like **Grunt, Gulp**.
- Worked with the package managers such as **NPM** and **Bower**.
- Expertise in writing **JUnit** test cases using Junit Frameworks like **Mockito, JMock**

**Technical Skills:**

<b>Programming Languages</b>	C, C++, Java, SQL, PL/SQL, HTML, XML
<b>Java/J2EE Technologies</b>	JSF, Struts, Servlets, JSP, EJB, Junit and JDBC
<b>Web Development</b>	HTML, Java Script, AJAX, DOJO, HTML5, XHTML & DHTML, CSS3, Bootstrap, Angular JS, Node JS, Backbone JS, React JS, Express JS
<b>Frameworks</b>	Struts, Hibernate, Spring, iBatis, JSTL
<b>XML/Web Services</b>	REST, JSON, JAX-RS (JERSEY, CXF), ESB (JBoss Fuse), XML ,SOAP, JAX-WS(Axis,Axis2,CXF) WSDL, UDDI, JAXB, DOM
<b>Application/Web Servers</b>	Apache Tomcat, JBOSS, IBM Web Sphere, BEA Web Logic, AWS
<b>Methodologies/Design Patterns</b>	Agile, Scrum, OOAD, OOP, UML, MVC, DAO Factory pattern, singleton, Factory, prototype, DTO and DAO design patterns.
<b>Databases</b>	Oracle, SQL Server, IBM DB2, Mongo DB, Cassandra
<b>IDEs</b>	Eclipse, Net beans RAD, STS and JBuilder
<b>Tools</b>	Jmeter, Soap UI, npm, MQ, QuickBuild , Jnuit, Apache camel, Rally Dev, Dojo Toolkit
<b>Testing Tools</b>	Karma, Jasmine, Mocha, Chai, Junit, Mockito, Selenium, Protractor, Docker
<b>Build Tools</b>	ANT, Maven, Gradle, Grunt and Gulp
<b>Version Control Systems</b>	Apache version SVN, Git, CVS, GitHub, Clear Case
<b>Operating Systems</b>	Windows, UNIX and LINUX

#### Professional Experience:

**Client: Cummins, Columbia-IN**

**Nov 2015 to till date**

**Role: Full stack Java developer**

#### Description:

Cummins corporation that designs, manufactures, and distributes engines, filtration, and power generation products. In collaboration with third party client at Cummins IT infrastructure team we came up with an enterprise application using ConceptWave Order Care at enterprise level and create catalog management tool for 3rd party client.

#### Responsibilities:

- Developed Single page applications (SPA) using **AngularJS 2.0, HTML5, CSS3 using Saas** for websites requiring data-rich and instant feedback on interaction.
- Developed Client side script using **AngularJS 2.0** to consume data from Web services.
- Created Angular JS **controllers** and **services**.
- Used **angular js 2.0 filters** for filter functionality in search box and Iterator functionalities.
- Built great user interfaces with Modern Javascript Frameworks like **React JS**
- Installed **node.js** and utilized the **npm** with **Grunt** for the build
- Used **Node.js Bower** for UI Dependency management. Worked on **bower.json** and **bower.rc** files.
- Developed Server side scripting using Node JS.
- Implemented **Cassandra** as the NoSQL Database for **JavaScript** part of the application
- Implemented CRUD operations from **Node JS** to **Cassandra** by connecting them using **Cassandra driver**.
- Used the Rest Templates in the **spring services** to call the Rest web services.

- Used **Web Services** (SOAP & WSDL) to exchange data between portal and other modules
- Used **Spring framework** and **J2EE** components, Utilized **IoC**, **AOP** and **DAO** modules. Developed controller classes, backend processes, complex services and database interaction Added security for service layer methods using **Spring Security**.
- Configured faces-config.xml and applicationcontext.xml for **Spring AOP Integration**.
- Developed microservices as part of application architecture using **Spring Boot**.
- Developed Rest Controllers and Request Mapping methods using **Spring Boot**.
- Developed loosely coupled architecture and standalone components using **Spring Boot**.
- Implemented RESTFUL Web Service using **JAX-RS** and **Jersey** framework.
- In order to support messaging system **Apache Kafka** is used instead of **JMS** services.
- Worked on Creating **Kafka Adaptors** for decoupling the application dependency.
- Involved in creating the **Hibernate POJO** Objects and mapped from Java to MYSQL Database using **Hibernate ORM**.
- Used **Elasticsearch** for analytics and reporting of the data.
- Implemented **Elasticsearch** for transport API.
- Performed unit testing of the **Angular JS** part with the help of **Karma**, **Jasmine** testing framework.
- Used **Maven** tool for dependency management and used **Jenkins** for continues integration
- Worked on creating and publishing **Docker images** to **Docker registries** and from Docker registries to azure containers
- Maintained the user accounts, **RDS**, **VPC**, **RDB**, **Dynamo DB**, **SES**, **SQS** and **SNS services** in **AWS cloud**.
- Involved in deploying systems on Amazon Web Services Infrastructure services **EC2**, **S3**, **SQS**, Cloud Formation.
- Developed queues using **AWS SQS** with **JMS** for services to subscribe and listen events. Implemented logic to listen and to subscribe events.

**Environment:** Selenium, Angular js, Node js, Backbone js, React js, IOP, Spring Batch, Spring boot, Elasticsearch, Eclipse, Oracle, JBoss, karma, Jasmine, Jax-rs, Jersey, SOAP UI, AWS, EC2, S3, SQS , JSP, Servlets, JDBC, Hibernate, XML, XSLT, CSS, Saas, DOM, Grunt, GWT, Junit , GIT, Oracle1, TOAD, UNIX, Maven, Jenkins, Agile Scrum, JIRA

**Client:** Abbvie Labs, Chicago-IL

**Apr 2014 – Nov 2015**

**Role:** Sr. Java/UI Developer

#### **Description:**

Abbvie is a pharmaceutical company that discovers, develops and markets both biopharmaceuticals and small molecule drugs. It originated in 2013 as a spin-off Abbott Laboratories. Health care application that can discover and advance innovative therapies and meet the health needs of people and societies around the globe. Involved in developing both front end and back end modules.

#### **Responsibilities:**

- Involved in the requirements review, Design, Development, Unit testing and Bug fixing of the system and used **Agile** Development methodology.
- Involved in developing the pages using **HTML 5**, **CSS3**, **Bootstrap** and worked on **CSS3** effects to enhance user experience as per the client requirements.
- Used **Flux** application architecture to build client -side web application.
- Designed modular and reusable React components using **Flux** Architecture
- Implemented client side interface using **React JS**.
- Developed various screens for the front end using **React JS** and used various predefined components from **NPM** (Node Package Manager) and **Redux** library.
- Developed complex SPA using **React Router**.
- Used **Backbone JS** to optimize in-browser use and to load the module and to improve the Speed
- Extensively used **JQUERY**, **JSON**, **AJAX** and **DOM** scripting to create interactive web applications like message posting and auto complete form validations

- Built backend REST API with **Node.js, Express.js**.
- Implemented modules into **Node JS** to integrate with designs and requirements.
- Managed software packages of **Node JS** with **NPM** and the project through **Github**.
- Used **Async Module** to control the execution flow of call backs.
- Developed server side application by using **Node JS** and **Express JS** for interacting with No SQL Database **Mongo DB**.
- Implemented **Mongo DB** to store and handle unstructured data.
- Used **Mongoose connector** as the Driver to establish **Express JS** to **Mongo DB** connection.
- Used **Webpack** module bundler for splitting the code base into multiple bundles with reactJs.
- Worked on **Webpack** to create the graph of application dependencies.
- Used **Babel** to create the pipeline which is built out of **plugins** also converted **JSX** syntax using **Bable**.
- Responsible for implementing the business requirements using **Spring** Framework
- Involved in user interface design using **Spring Boot** Framework and web based user controls
- Worked on **Spring Controllers** and configured using annotations to handle the presentation requests
- Deployed and consumed web services based on **REST** protocols using **Jaxb** and **Jersey** api.
- Used **JSTL** for developing the JSP.
- Used **JAXB, JAXP** for parsing auditing information in xml format
- Used **Hibernate** for connecting to the database and mapping the entities by using hibernate annotations.
- Written automation scripts using Java and **Selenium** and implementing automation scripts using Sauce Labs. Used **jmeter** for performance testing
- Performed unit testing using **JUNIT** framework and Clover tools
- Configured **Log4j** for adding the debugging information in the code base.
- Extensively used **Mocha** and **Chai** JavaScript unit Testing tools for testing JavaScript pages.
- Involved in designing and developing of Object Oriented methodologies using UML and Use Case, Class.
- Used **Putty** for UNIX login to check the server logs.
- Proficient in using **SVN** version control and wrote build and deployment scripting using **ANT**
- Supported the application in production and used **Splunk** to review the production logs.
- Used **Jenkins** for Continuous Integration and deployment into **WebLogic** application Server.
- Deployed and Monitored Micro Services Using Spring Cloud Foundry Also Managed Domains and Routes with the **Cloud Foundry**.

**Environment:** Java, J2EE, jmeter, Servlets, JSP, JDBC, Spring MVC, Angular js, Node js, Backbone js, Bable , webpack, , Hibernate, Rest, Web Services, Mongo DB, Apache Ant, CVS, Design Patterns, HTML, Java Script, AJAX, XML, SQL, PL/SQL, Oracle, SQL Developer, Mocha ,chai, JUnit, JIRA, cloud foundry, UNIX

**Client:** Taghleef Industries – Wilmington, DE

**Mar 2013 – Mar 2014**

**Role:** Sr. Java Developer

**Description:**

Financial Accounting software is an Intranet application, which enables to maintain the accounts and access them from various branch offices. The entire package is broadly divided into five modules, which include financial module, Orders module, Inventory module, invoicing module and Networking module. The data entered in one module updates all the other related modules.

**Responsibilities:**

- Developed web interface for Users Modules using **JSP, HTML, XML, CSS, Java Script and AJAX** with **spring frame work**

- Implemented User Friendly UI design with **HTML, CSS and JavaScript** for client side validation and form submission functions.
- Created Single Page Application with loading multiple views using route services and adding more user experience to make it more dynamic by using **AngularJS** framework.
- Used **AngularJS** and **jQuery** to make the pages dynamic and two way data binding.
- Designed user friendly navigation for displaying various sections of data using **jQuery**.
- Created Logging aspects for auditing and logging purposes using **Spring AOP** and implemented security for the application using **Spring Security**.
- Used **Spring MVC** framework for transfer the data from **GUI** to DB with **Ajax frame work**.
- Implemented **Spring IOC & AOP**.
- Used **Spring MVC, Spring Batch** Template for object-to-relational mapping from the database and creating POJOs.
- Integrated and implemented **Hibernate** with spring frame work to perform **ORM** for database connectivity to DB2.
- Implemented **Restful** services by **Jax R s, CXF API's**
- Used **JMS** for programs to create, send and receive messages by using different modules like publisher, subscriber messaging and point to point messaging using **IBM-MQ-Series**
- Implemented **DAO** (Data Access Object) design pattern to access data from DB2
- Designed **OAuth framework** for authorization flow for web services.
- Worked with Web Services using **SOAP (WSDL)**, tested using **SOAP UI** tool and **REST (WADL)**.
- Developed using J2EE **design patterns** like Command Pattern, Session Facade, Business Delegate, Service Locator, Data Access Object and Value Object Patterns.
- Used **WebSphere** Application Server to deploy the build.
- Used **log4j** for debugging the application.
- Involved in Configuration of data source and deployment of application in development, Test and Production.
- Used **Drools** for implementing business rules and validations.
- Developed Applications using Rule Engines, **Drools**. Explored Drools modules such as **Drools Expert, DroolsFusion, and Drools Flow**.
- **GIT** for version Controlling.
- Experience in writing unit test cases using **Jasmine** and **Karma** framework
- Used **J-Unit** test cases to test the application and performed random checks to analysis the portability, reliability and flexibility of the project.
- Development process the Scrum, Iterative **Agile** methodologies for web Application
- Involved in configuration setting for Development, Test, and Production Environment.

**Environment:** Eclipse, Java API, Hibernate, JDK, JDBC, JMS, Message Queues, Web services, iBatis, UML, XML,DB2,Web Sphere, Toad, Rest Services, Git, CXF, HTML, XHTML,CSS, JavaScript, Jenkins, log4j, SVN, JUnit, J2ME and Windows

**Client:** PNC Bank- Pittsburgh, PA

**Jan 2012 – Feb 2013**

**Role:** Java/UI Developer

#### **Description:**

This project is developed mainly to serve the huge domain of customers. The application also allows bank employees to open a new account for customers or access, modify the customer account information based upon their role. The application offers various functionalities, some of the them include Transfer Funds, Make a Payment, Set up Automatic Payments, Keep the Change, Receive the bills electronically, Request E-mail Notifications, Balance Enquiry. Etc.

#### **Responsibilities:**

- Strongly involved in the design and development phases of the web applications and operated as an effective team member.
- Developed the responsive UI web pages using **XHTML, jQuery, HTML, CSS**, Java Script, **JSF, Prime Faces**, and **AJAX**.
- Created web pages with **CSS** Box model, animations & transitions, web fonts and content & counters.
- Involved in Design UI for Member module using **JSF** Framework.
- Created **Web Service** using **SOAP**, to allow application and services to connect to them over the Internet.
- Used **Spring Core** for dependency injection/Inversion of control (**IOC**) and implemented using Spring Annotations
- Developed a batch processing system with REST based APIs, using **Spring Batch**, integrated with Quartz scheduling.
- Working on implementing **JSF-Prime faces** tree for the data model viewer alternative to visio tool.
- Used **JAX WS Security** to secure the web services.
- Responsible to solve the problems using **JavaScript** and can hand-code it effortlessly.
- Cleaned up and rewrote front end using **HTML, JavaScript** and **CSS** to meet validation requirements.
- Implemented source controls using **JavaScript** and **JQuery** and designed the functionalities based on the templates which are intuitive to the users.
- Proficiently used **JQuery UI widgets** which reduced the amount of hand-coded program and easily maintained its modularity.
- Used **JQuery** in developing the Rich Internet Applications (RIA) with **AJAX** mechanism and **JSON** as a data exchange tool.
- Used **AJAX** effectively for fetching data from the Rest APIs.
- Taken care of Java **multithreading** in common java classes / library. Used **multithreading** in programming to improve overall performance.
- Developed and deployed Web Services in Apache **CXF** framework using **JAX-WS**.
- Implemented Web Services to integrate between different applications using **SOAP** services using **JAX-WS**.
- Implemented **Oracle DB** as the underlying Database of the application.
- Used **Hibernate** for the Persistence layer of the application for the database connectivity.
- Implemented **DAO** design pattern for providing persistence as a service to the business layer.
- Managing messaging Topics using **IBM MQ** messaging broker.
- Configured **Weblogic** Application server and deployed the web components.
- **Maven** was used for the entire build process and **Hudson** for Continuous Integration
- Used Rational **Clear Case** for version control and **PowerMock** for unit testing.
- Generated Use case diagrams, Class diagrams, and Sequence diagrams using **Rational Rose**.
- Substantially experienced in the development methodology involved with the **scrum method** and the **sprint cycles**.
- Wrote business rules using **Drools** and business logic processing customs declarations.

**Environment:** HTML 4.01, CSS2, JavaScript, JQuery, Debugging, Eclipse Java SDK , MVC, Entity Bean, Web logic, JSP, Servlets, JSTL, Clear case, PowerMock, JavaScript, and Oracle, Hudson, TOAD, Maven

**Client:** ICICI Bank- Hyderabad, India

**Feb 2010 - Nov 2011**

**Role:** Java Developer

**Description:**

ICICI Bank is a leading financial service company. It provides online banking for customers to set up online bill payment from their Debit Card/Current Account to various merchants. Customer has various facilities like Merchant registration, Recurring Payment, Schedule a payment, Fund Transfer, Bill Info, etc. Bank is enhancing

its web interface with more features and functionality to its customers.

#### Responsibilities:

- Actively involved in the Requirement gathering for the enhancements to the existing project.
- Involved in **Struts** framework code implementation
- Extensively worked with **Servlets** and Struts based multitier applications in developing J2EE components.
- Implemented **Action Servlet** in the Struts framework to perform **request mapping**.
- Used **JavaScript**, **HTML**, and **jQuery** for forms validations.
- Design and Development of GUI using **JSPs**, **JSP custom tags**, **Struts tags**, **HTML**, **DHTML**, **CSS**, **Applets and JavaScript**.
- Used **JSTL** tag library in JSP's.
- Complete Involvement in development and validation of screens using **HTML** and **JavaScript**.
- Worked on web pages with **JSP**, **Ajax**, **JavaScript**, **CSS**, **DHTML** and **XHTML**.
- Used core java technologies like **Multi-Threading** and **synchronization** in the application.
- Involved in development of **SOAP** Web services using **Apache Axis** to extract client related data from databases
- Created stubs from the **WSDL** for using the methods available in the Web Service.
- Used **JPA** ORM frameworks for database connectivity.
- Developed **Session**, **Entity beans (EJB)** for crucial business Logic.
- Used **Java Messaging Services (JMS)** for reliable and asynchronous exchange of important information such as payment status report on **IBM WebSphere MQ** messaging system.
- Deployed web, presentation and business components on **Apache Tomcat** Application Servers.
- Used various **design patterns** like **Session Facade**, **Singleton** and **Factory patterns** in the application.
- Used **log4j** to log messages depending on the messages type and level.
- Analyzed client requirements, developed complex **SQL** query using relational database over **MYSQL**.
- Created and managed data and tables using **PL/SQL**.
- Involved in the analysis, design, and development and testing phases of Software Development Lifecycle (SDLC) using **Agile** and **Waterfall** methodology.
- Deployed the Web application using **ANT** build script.
- Responsible for Unit Testing with **Junit**, integration testing of software.
- Used Rational **Clear Case** for version controlling and used diff merging, check-ins, check-outs, and adding new work files to source control and labeling.
- Involved in development and deployment of application on **UNIX** environment.
- Worked with **Unix shell scripting** in the process of deployment.

**Environment:** Struts, Hibernate, Servlets, JSP, HTML, Ajax, XML, JavaScript, CSS, DHTML, XHTML, ANT, Junit, JDBC, JBoss, Oracle, Clear case, Apache, log4j, JSTL, PL/SQL, SOAP, WSDL, Unix.

**Client:** CMC Limited- Hyderabad, India

**Jan 2009 - Dec 2010**

**Role:** Java Developer

#### Description:

This Project automates the Maintenance, Auditing of Employees academic, Financial and payroll Information and having all the details of the employee's benefits; In addition to that this application gives the Information of the Organization structure and total maintainer details of the organization

#### Responsibilities

- Design Implementation of GUI using **HTML, JSP, Tiles, Validator and Java Script** for front-end validations.
- Developed **Java Sever Pages, Tiles, Validator, Action classes** and **EJBs** for various user transactions.
- Designing of Java **Servlets** and Objects using J2EE standards.
- Designed the project by using **MVC** framework.
- Used **JSP** for presentation layer, entity beans as the model to represent the persistent data and interacted with Oracle database as per MVC Architecture.
- Creating custom tags for **JSP** for maximum re-usability of user interface components.
- Used **JDBC** calls in the Enterprise Java Beans (**EJB**) to access Oracle Database.
- Developed the XML Schema for the data maintenance and structures.
- Worked on building the persistence using **JPA**
- Used the **XML** Parsers like **SAX** parser to parse the data.
- Implemented **EJB** session beans, messaging technologies like Message Driven Bean, JMS.
- Involved to develop **Multithreading** for improving CPU time.
- Used **multithreading** process to convert data
- Used **JUnit** framework for unit testing of application and Log4j to capture the log that includes runtime exceptions
- Coded **ANT** build scripts to build and deploy the application on WebSphere

**Environment:** Core Java, J2EE, Servlets, Multithreading, JSP, Struts, EJB, JMS, UML, Rational Rose, MQ Series, CVS, Oracle, Eclipse, Web Logic, HTML, JavaScript, JUnit, ANT, XML SAX, DOM, XSL.

**Education: Bachelor's in Computer Science & Engineering**