**Pratyusha P**

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**Work Experience Summary**

Seven years’ experience in Back-end and Front-end development with an ability to handle any part of the process efficiently. To succeed in an environment of growth and excellence and work on the leading areas of technology, a job that gives me opportunities to learn, innovate and enhance my skills and strengths in conjunction with organization goals and objectives.

* Experience in implementing and deploying Java EE design patterns such as Singleton, Abstract Factory, DAO, DTO, and Business Delegate in the Development of Multi-Tier distributed Enterprise Applications.
* Expertise in implementing Core Java SE 8 concepts like Streams API, Lambda functions, Functional programming, and Generics.
* Expertise in developing SOA (Service Oriented Architectures) and Microservice architectures using J2EE web services based on Restful(JAX-RS).
* Unit tested web services using Junit, Mockito.
* Worked extensively with JAVA 8 features like Time API, Functional Interfaces, Completable Future, Optionals, Multithreading, Transaction Management, Exception Handling, Collection API.
* Widely used various open-source MVC architecture like Struts 2.0, Spring MVC, and Object Relational Mapping (ORM) Frameworks like Spring JPA with Spring Data, Hibernate, and Spring JDBC.
* Expertise in Angular JSframework and React JSframework and its ability to create simple and scalable code for SPA.
* Experience in Transaction usage, Servlets, JMS, Java Beans, Web Services, Multithreading Executor Services.
* Experience working with different SDLC (Software Development Life Cycle) including Requirement gathering, Analysis, Design, Coding, Testing and Implementation like AGILE (SCRUM), and Waterfall Models.
* Strong experience with EJB, Struts, Spring Boot, Spring framework implementing modules: Spring MVC, Spring Boot, Spring IOC, Spring IO, Spring AOP, Spring Security, and Spring Data.
* Good knowledge in building real-time dashboard applications using Splunk, Elastic Search, and Logstash (ELK) to profile and monitor the streaming data of the application.
* Experience in Spring Security Framework for User Access Management, JWT token-based authentication, and involved OAuth 2.0 configuration for authentication and authorization.
* Good understanding of building real-time dashboard applications for visualization and analytics on Apache web servers using Kibana, Splunk.
* Extensively used Spring IOC to inject objects based on selecting components like setter injection and Interface injection to manage the object references.
* Experience in integration tools like Spring Integration to integrate the enterprise application technologies with existing JVM environments.
* Experienced in utilizing source code variant administration apparatuses like Git, Bit Bucket.
* Proven experience with Application Servers like IBM WebSphere, Oracle/BEA WebLogic, and Tomcat.
* Experience in Message Queue (MQ) services like Apache Kafka, Rabbit MQ.
* Sound learning on the consistent mix and persistent deployment tools like Jenkins and Bamboo. Substantial involvement in UNIX and Shell scripting to automate the build scripts.
* Expert in Various Agile methodologies like SCRUM, Test Driven Development (TTD), Incremental and Iterative methodology, Pair Programming, Agile Development & Testing using Software Development Life Cycle.
* Good Knowledge in Amazon Web Services (Amazon EC2, Amazon S3, Amazon SimpleDB, Amazon Elastic Load Balancing, Amazon SQS, Amazon EBS, and Amazon CloudFront).
* Extensive AWS Experience including AWS Services such as EC2, VPC (NAT, VPC Peering and VPN), IAM (Identity and Access Management), Elastic Beanstalk, Lambda, S3, CloudFront, Glacier, SQS, SNS, RDS, DynamoDB, Route53, CloudWatch, CloudTrail, CloudFormation, Security Groups, etc.
* Handled operations and maintenance support for AWS cloud resources, including launching, maintaining and troubleshooting EC2 instances, S3 buckets, Auto Scaling, DynamoDB, AWS IAM, and Elastic Load Balancers (ELB) and Relational Database Services (RDS). Also created snapshots for data to store in AWS S3.
* Experience writing SQL queries in PL/SQL Relational Database management systems like Oracle, MS SQL, MySQL, and DB2.
* Used Kubernetes Linux container for deploying and scaling containerized applications.
* Experience in database design and development of PL/SQL stored procedures and packages in relational databases like Oracle 10g /11g/12c, SQL Server , DB2, MySQL, and good hands-on experience in implementing, designing, and developing NoSQL Databases like MongoDB.
* Hands-on experience with building Java projects using build tools like ANT, Maven, Gradle, and integrating the project Bamboo, CD/CI, Jenkins, Aws Code.

# Technical Skills:

| **Programming Languages** | Java, PL/SQL, Shell Script. |
| --- | --- |
| **Java/J2EE Technologies** | Servlets, Spring, JPA, JDBC, JSP. |
| **Frameworks** | Hibernate, Spring Batch, Spring Security, Spring AOP, Spring Core, Spring IOC. |
| **Database** | SQL Server, MySQL, Oracle, MongoDB, DB2 |
| **Web Services** | XSD, WSDL, SOAP, Restful,JAX RS |
| **Messaging** | JMS (Java Message Service), IBM MQ, Apache Active MQ, Apache Kafka. |
| **Web Application Servers** | Oracle WebLogic 10.x/9.x, IBM WebSphere 8.x/6.x, Apache Tomcat 8.0/7.x/6.x. |
| **Methodologies** | Agile, Waterfall, SCRUM. |
| **Testing Tools** | JUnit, Mockito, Selenium. |
| **Version Control** | GIT, and Bitbucket |
| **Build Tools** | Maven, ANT |
| **IDEs** | Eclipse IDE, Intellij IDEA, Spring Tool Suite (STS). |
| **Operating Systems** | Windows, Linux, and UNIX |
| **Software** | Visual Studio, Rational Rose, and Microsoft Office |

**Professional Experience:**

# Client: Naic, Kansas City, MO

# Java Full Stack Developer: 2022 Nov – Present

# Responsibilities :

* Developed the single-page application following Agile Scrum, participated in daily standups, sprint reviews, Kickoffs, and used Jira for project management.
* Programmed J2EE application to manage transaction reports for Oracle Financials Application Processes.
* Authenticating Users to provide security to RestFul web services using OAUTH 2.0.
* Designed the user interface screen and its functionality as per user requirements and developed RESTful Web services in Swagger Documentation.
* Involved in Software Development Life Cycle for gathering requirements, Analyzing, Designing, Developing, and Testing applications using Agile methodology.
* Wrote services to store and retrieve user data from the MongoDB for the application.
* Designing and developing restful api and services using best practices to interact within the Micro Services and with the front end. Using spring mvc and spring rest.
* Experience in micro services development using spring boot and deployment in pivotal cloud foundry (PCF).
* Agile methodology is used for development of the application.
* Developed forms for user event handling and validations using Javascript and AJAX.
* Designing RABBITMQ queues and exchanges and binding relation between them.
* Used Microservices architecture, with spring boot based services interacting through a combination of rest and spring boot.
* Developed rest API's using spring MVC and spring boot, hosted all micro services on PCF
* Used Splunk to access the production logs and tweaked the logs to get trends of known issues.
* Experience with messaging systems like jms, kafka event sourcing.
* Used RABBIT MQ (message queues) for reliable and asynchronous exchange of important information between multiple business applications.
* Developed Rest API's Using Spring MVC and spring boot, hosted all micro services on PCF.
* Writing test cases for CLIENT SIDE, SERVER SIDE and api specifications with, mockito, power mock and swagger.
* Understanding on docker container clusters managed BY KUBERNETES LINUX, BASH, GIT, DOCKER, ON EKS. Utilized KUBERNETES and DOCKER for the runtime environment of the ci / cd system to build, test deploy.
* Developing Application Services Using Spring Boot and Microservices Architecture.
* Created dynamic schema design through NoSQL MongoDB by writing rich queries and achieved data in a collection and sending back responses required for UI for fulfilling the businesses needs.
* Responsible for the overall layout design and prototype using React JS with Redux library, jQuery UI, and CSS/Less and HTML5.
* Configured JBOSS Application server and used Oracle database with Hibernate ORM framework and used the functionalities of Hibernate's second-level EHCache.
* Implemented persistence layer using Hibernate that uses the POJOs and entities (which do not have the business processes) to represent the persistence database tuples
* Involved in Software Development Life Cycle for gathering requirements, Analyzing, Designing, Developing, and Testing applications using Agile methodology.
* Worked with front end teams with multiple Angular 11.0 components that are compatible with the latest versions of typescript, angular CLI.
* Implemented Microservices architecture with Netflix, Spring Eureka, Spring Ribbon using Spring Boot to provide client-side load balancing in calls to other Microservices, making applications into smaller chunks and the Spring Hystrix circuit breaker and for the fail-safe.
* Kubernetes is configured in the application for automating deployment, scaling, and management of containerized applications.
* Involved in Software Development Life Cycle for gathering requirements, Analyzing, Designing, Developing, and Testing applications using Agile methodology.
* Performed manual and regression testing using JIRA X-RAY tests, writing the scenarios.
* Responsible for migrating existing modules in IBM MQ to Apache Kafka and creating Kafka adaptors for decoupling the application dependency.
* Implemented AWS solutions using E2C, S3, RDS, EBS, Elastic Load Balancer, Auto scaling groups, Optimized volumes, and EC2 instances and created monitors, alarms, and notifications for EC2 hosts using Cloud Watch.
* Configured and managed various AWS Services, including EC2, RDS, VPC, S3, Glacier, CloudWatch, CloudFront, Route53, SQS, SNS, etc.
* Implemented a data transfer batch jobs between RDBMS and Amazon S3 buckets , implemented scheduler jobs to transfer data and subsequently delete the data on RDBMS and send reports to management team.
* Worked with Jenkins to configure Continuous Integration and Continuous Deployment (CI/CD).
* Implemented Spring Circuit breaker pattern, integrated Hystrix dashboard to monitor Spring microservices.
* Participated in code review and mentoring sessions and used GIT as version control and GIT-Bash, SourceTree for GIT interactions.

**Environment:** Java, J2EE, Git, Spring Boot, Hibernate, Core Java, Rest, Web Services, CSS, Eclipse, WSDL, JIRA, JMS, PostgreSQL, Angular AWS, Spring Cloud, Spring batch, PCF, Apache JMeter, jQuery, JUnit, Docker, Maven, Jenkins.

# Client: Verizon, Irving, Texas

**Java Full Stack Developer 2021 Oct - 2022 Oct**

# Responsibilities:

* Made use of React JS to build Bootstrap components for responsive UI objects and linked with API data to view and render the virtual DOM dynamically.
* Developed Business components using Java Objects and used Hibernate framework to map athe Java Classes to the database using Annotations.
* Performed Unit testing on applications using tools Mocha to test Reactjs and Chai for Node.js.
* Experience in integration testing tools like Selenium Web Driver, Cucumber (Behaviour Driven Development testing).
* Responsible for the overall layout design and prototype using React JS with Redux library, jQuery UI, and CSS/Less and HTML5.
* Extensively worked in writing minimal code in building re-usable forms with their validations using REACT with Redux Architecture.
* Good knowledge of Lambda expressions, Time APIs, and Java 8 core features
* Apply focused development changes across oracle databases and see the changes applied through the life cycle of environments and testing into production via internal deployment tool.
* Implemented Spring Boot to create a CRUD back-end for our React-frontend application.
* Worked with Jenkins Continuous Integration and Continuous Deployment (CI/CD).
* Developed Java/J2EE code, business logic using Spring, Hibernate framewok and Oop concepts, involved in Peer code reviews.
* JUnit is implemented along with Mockito to perform unit testing on our RESTful web application.
* DevOps role in monitoring in all the build and deployment needs, debugging the problems when ever the build fails for Front end and back end applications. Deploying specific versions required and necessary to different environments, assisting offshore teams as well.
* Containerized Spring Boot application to Pivotal Cloud Foundry PAAS (Platform as a service).
* Worked with container-based application deployments using Docker with Kubernetes.
* Experience integrating the internal security model into new projects with Spring Batch, Spring Microservices and Spring Boot, Pivotal Cloud Foundry, and Netflix Eureka.
* Optimized cleaning up of session-level Data Structure's shared across different open tabs when data is flushed/committed from one of the tabs.
* Implemented API’s based on Model View Controller (MVC) design pattern for front-end development and presentation logics.
* Performed Unit testing on Swagger, ReactJS applications using manual, jasmine tools and worked with the front-

end automation developers in understanding need of the api’s and responses.

**Environment:** HTML5, CSS3, Redis, Express JS, jQuery, JavaScript, Node JS, Bootstrap, REST API, Load Balancer, Mongoose Connector, Mongo DB, Hibernate, REST administrations, Docker, Mocha, Jasmine, Karma, Gulp, SSO Authentication, WebPack, Kubernetes, Selenium, Maven and Jenkins. GIT, Jenkins, AWS Services, Elastic Cloud Compute (EC2).

# Client: Technovert Solutions ,Texas.

**Java/J2EE Developer** **2019 May - 2021 Sep**

**Responsibilities :**

* Used HTML5, CSS, jQuery, Ajax and performed client-side validations using JavaScript.
* Unit, functional, end-to-end testing is achieved using the TestNg framework.
* Integration testing methods and Behavioral driven testing in the application are implemented using Selenium and Cucumber, respectively.
* Implemented web interface (UI) for end-users using AngularJS, and backend with Spring Boot applications.
* Designed the user interface screen and its functionality as per user requirements and developed RESTful Web services and documentation through Swagger, exposed the API’s through Zuul Gateway.
* Worked on Spring Framework handling major concepts like Dependency Injections, Spring IoC Containers, Transaction Management Declaratives (annotations based).
* Configured Hibernate's second-level cache using EH cache to reduce the number of hits to the configuration table data.
* Developed Restful APIs and micro services using spring, spring JDBC.
* Worked with AWS Lambda using automate resource creation, perform compliance checks and cost optimization.
* Worked on given JAXB modules for validation and creating workflows with the schema designs.
* Constructed S3 lifecycle of Applications & Database logs, which includes deleting old logs, archiving logs based on the retention policy and granting rights to authorized users.
* Used PCF (Pivotal Cloud Foundry) to deploy Spring applications with different non-prod and prod profiles.
* Used Spring Batch applications to load generic data loads into the databases with different overriding schemes and several other business logics.
* Involved in the development of user interface using HTML and CSS.
* Used Rabbit MQ (Message queues) for reliable and asynchronous exchange of important information between multiple business applications.
* Used JPA (Java Persistence API) along with Hibernate framework for implementing Test Classes.
* Followed agile methodology along with Test Driven Development using Junit and Mockito.
* Developed the application using Software Development lifecycle, followed the Agile Development Model.
* The application is designed using J2EE design patterns and technologies based on MVC architecture.
* Agile Methodology is used for development of the application.
* Used J2EEdesign patterns like Singleton, Factory and DAO.
* EJB Session Beans were used to process requests from the user interface and CMP entity beans were used to interact with the persistence layer.
* Developed to provide RESTful API utilizing Spring Boot with Spring MVC. Built spring-based Java Microservices to support Enterprise Web application.
* Involved in writing XML validation classes using Struts validation framework.
* Designed the user interfaces using JSPs, AJAX and Struts Tags.
* Used JMS for the asynchronous exchange of critical data and events among J2EE components. Publisher- Subscriber method was used for data loading and Point-To-Point method of JMS was used for event processing.
* Involved in writing DAO, DTO’s using Hibernate DAO Support.
* Implemented persistence layer using Hibernate that uses the POJOs (which do not have the business processes) to represent the persistence database tuples.
* Developed Junit test cases for DAO and Service Layer methods.
* Used GITHUB for version control of the application.
* Used Log4J to capture the log that includes runtime exceptions.
* Developed the MAVEN for preparing WAR files used to deploy J2EE components.

**Environment:** Angular JS, HTML5, CSS3, AJAX, Bootstrap, JSON, XML, Active MQ, JMS, Hibernate, DB2, SOAP-AXIS2, Restful services, JAX-RS SOA, Eclipse Java EE IDE, Jenkins, Git, Log4j, DB2, JBoss, OpenShift, Maven, TestNg, Protractor, Selenium, Cucumber.

# Client: Tvisha Technologies , India

**Java/J2EE Developer 2017 Sep - 2019 Apr**

**Responsibilities:**

* Designed the user interface screen and its functionality as per user requirements and developed RESTful Web services in Mule ESB based on Service Oriented Architecture (SOA).
* Effectively worked on Angular 1.0 to use the enhanced features of typescript, Angular Routers, and Angular Components.
* Worked on Agile methodology, including team-based design and code reviews.
* Worked with JS to code some new functionality and developed application front end using HTML, CSS, Ajax.
* Spring AOP is used for logging, auditing, and security and transaction management to distinguish business logic from the cross-cutting concerns.
* Implemented the back-end functionality of the modules using Singleton and Session Facade design patterns.
* Implemented Spring Batch to run daily and monthly batches.
* Extensively used Java server Faces (JSF) Navigation rules and JSF tags for enhanced user Interface.
* Involved in multi-tiered J2EE design utilizing Spring Inversion of Control (IOC) architecture and Spring JPA.
* Designing new components to fit in the already existing architecture using core Java, multithreading, design patterns like the factory method, Abstract factory pattern, Singleton, while developing web-based applications using REST Web Services.
* Hibernate ORM framework is used to interact with databases through Hibernate query language (HQL).
* Used SOA, UDDI lookups, and Web Services Description Language (WSDL) using the SOAP protocol.
* Involved in the Development of SOAP Web Services using Apache Axis to extract client-related data from databases.
* Developed the business logic code in Core Java/J2EE, Struts, JDBC.
* Deployed application using Oracle Weblogic Server.
* Provided support to the testing team and involved in the Bug Fixing.
* Deployed the application to IBM WebSphere environment. Tested the application after making the necessary configuration.
* Involved in performing Unit and Integration Testing in Selenium

**Environment:** Core Java, J2EE, JSP, HTML, MVC, Servlets, JMS, EJB3.1, JUnit, PL/SQL, DAO, Web Logic Server, , JAX-WS, WSDL, Junit, SQL, Selenium.

**Client: TechAspect Solutions Private Limited ,India**

# Java/J2EE Developer 2016 Mar - 2017 Aug

# Responsibilities:

* Identified the Business requirements of the project. Involved in preparing System Requirements for the project.
* Developed the applications using Java, J2EE, Struts, JDBC.
* Worked on various use cases in development using Struts and testing the functionalities.
* Involved in preparing the High Level and Detail level design of the system using J2EE.
* Created struts form beans, action classes, JSPs following Struts framework standards.
* Implemented the database connectivity using JDBC with Oracle database as backend.
* Involved in the development of model, library, struts and form classes (MVC).
* Designed and developed file upload and file download features using JDBC with Oracle Blob.
* Worked on core java, using file operations to read system file (downloads) and to present on JSP.
* Involved in the development of underwriting process, which involves communications without side systems using IBM MQ and JMS.
* Taken care of complete Java multi-threading part in back end components.
* Taken care of multi-threading in back end java beans.
* Used PL/SQL stored procedures for applications that needed to execute as part of a scheduling mechanisms.
* Designed and developed Application based on Struts Framework using MVC design pattern.
* Developed Struts Action classes using Struts controller component.
* Used SAX XML API to parse the XML and populate the values for a bean.
* Developed and maintained UNIX shell scripts for data-driven automatic processing.
* Apache Ant was used for the entire build process.
* Used GitHub for version control and JUnit for unit testing.
* Used Spring batch scheduler to process or trigger the applications daily.
* Configured WebSphere Application server (WAS) and deployed the web components.
* Provided troubleshooting and error handling support in multiple projects.

**Environment:** Java 8, J2EE, JSP, Struts, Spring, Cassandra, SOA, Microservices, OOAD, Oracle 9i, HTML, EJB3, AJAX, JMS, XML, Design Patterns, ANT, Spark, Multi- Threading, Apache Kafka, IBM WebSphere, Hibernate 3.0, LOG4J, TOAD, JUNIT, UML.