

## Priyanka MK

### Java Full Stack Developer

Email: priyanka.munik@gmail.com

Phone: 9722771726

#### PROFESSIONAL SUMMARY:

- **10+ years** of experience in development and implementation of large-scale, object-oriented, high performance Web-based client-server applications by using **Java/J2EE Technologies**.
- Hands on experience in complete **Software Development Life Cycle (SDLC)** involving requirement gathering, requirement analysis, object-oriented design, development, testing, deployment and support of web applications and software applications.
- Strong experience in utilizing **Agile, Scrum, Waterfall and Test-Driven Development (TDD)** methodologies.
- Experience in **Object Oriented Analysis and Design (OOAD)** using different design methodologies/process frameworks like SDLC and tools like UML, MS Visio, Rational Rose.
- Experience in applying best practice **Design Patterns** and Strategies to enterprise applications to reduce tight coupling, maximize performance, and reduce maintenance/extensibility risks.
- Experience in **Core Java concepts** such as OOPS, Collections, Threading, generics, Exception handling, Multi-Threading, Execution services, concurrent utilities, File IO, Garbage Collection and Serialization.
- Good experience in deploying J2EE applications archives (JAR, WAR and EAR) on **Apache Tomcat Web Server, WebLogic Application Server, JBoss and IBM WebSphere Application Server**.
- Expertise in implementation of **Spring Frameworks** like Spring MVC, Spring Boot, Spring Cloud, Spring Core, Spring Rest, Spring Data, Spring DAO, Spring Batch, Spring IOC, Spring AOP and Spring Security.
- Good experience in interacting with ORM frameworks like **Hibernate, Spring Data, iBatis and JPA**.
- Expert in developing backend scripts to perform maintenance tasks on contract data using JDBC & Hibernate.
- Experience working on **Microservices** based architecture using **Spring Boot** interacting through **REST API**.
- Strong experience in building rich **UI and RWD applications** using ReactJS, AngularJS, NodeJS, JavaScript, HTML5, CSS3, Bootstrap, JSP, JSTL, JSON, Ajax and JQuery.
- Experience in developing application in Single Page (SPA) using various JavaScript frameworks such as **AngularJS and ReactJS**.
- Hands on experience working with **AWS Cloud Services** like EC2, S3, Elastic Beanstalk, IAM, ELB (Load Balancers), RDS, VPC, Route53, CloudWatch, CloudFormation, Admin Console, Code Pipeline, SNS & SQS.
- Experience in using **Spring Cloud - Netflix OSS stack** for microservices deployment and auto configurations like Ribbon (client-side Load Balancer), Hystrix (latency and fault tolerance library), and Zuul (gateway for routing, monitoring, security) with Eureka service registry.
- Experience in creating **Docker** container images, pushing images, integration of Spring Boot.
- Experience working with **Kubernetes** for managing related, distributed cluster components.
- Good experience in Version Control Systems like **GIT, GitHub, Subversion (SVN) and TFS**.
- Experience in using **Maven, Ant and Gradle** for automating software builds processes and artifacts.
- Experience in developing automated builds and tests using continuous integration (CI) tools such as **Jenkins**.
- Good experience with JMS/Messaging and middleware like **Apache Kafka, IBM MQ, ActiveMQ and RabbitMQ**.
- Experience working with messaging systems like Kafka, Kafka Event Sourcing.
- Expert in XML and related technologies like XSL, XSLT, XPath, and parsers like JAXP (SAX, DOM) and JAXB.
- Good experience in consuming as well as developing API for **SOAP and REST** based web services to integrate third party functional modules into the core application.
- Experience working on projects implementing Restful Web Services (JAX-RS, Spring Boot), SOAP (JAX-WS, Apache CXF, WSDL, Apache Axis2) and configured using **Swagger** and WADL.
- Hands on experience working on application development and maintenance using **Oracle, MySQL, SQL Server** as backend databases and experience with NoSQL Databases like **MongoDB and Cassandra**.
- Good knowledge in configuring and supporting Monitoring Tools like **Splunk, Nagios and ELK**.
- Good experience in various Agile Project Management Tools like **JIRA and Confluence**.
- Extensive experience in using the **Log4j** framework for Logging Java Application.
- Proficient in developing Java Application with Integrated Development Environment Tools like **Eclipse IDE, Spring Tool Suite (STS), and IntelliJIDEA**.

- Strong experience working on **JUnit**, **Mockito** for unit/integration testing of application components, also involved in developing test plans, test cases (manual/automated) and test procedures.

#### TECHNICAL SKILLS:

<b>Languages</b>	Java 17/11/8/7, JavaScript, XML, C, C++
<b>Frameworks</b>	Spring, Hibernate, Struts, JPA, iBatis, ReactJS, AngularJS, NodeJS
<b>Web Development</b>	HTML5, CSS3, Bootstrap, JSP, JSON, Ajax, JQuery, JavaScript, Typescript, Bootstrap
<b>Java/J2EE Technologies</b>	Core Java, Servlets, JSF, JSP, EJB, JSTL, JNDI, JDBC
<b>XML/Web Services</b>	XML, XSL, XSLT, XPath, JAXP (SAX, DOM), JAXB, Apache Axis, WSDL, Restful, SOAP
<b>Cloud Technologies</b>	Amazon Web Services (AWS)
<b>Containerization Tools</b>	Docker, Kubernetes
<b>CI-CD Tools</b>	Jenkins
<b>Build Tools</b>	Maven, Ant, Gradle
<b>Version Control Tools</b>	Git, GitHub, SVN, TFS
<b>Messaging Systems</b>	Apache Kafka, IBM MQ, Active MQ, RabbitMQ
<b>Web/Application Servers</b>	Apache Tomcat Web Server, WebLogic, JBoss, IBM WebSphere
<b>Testing Tools</b>	Junit, Mockito
<b>Bug Tracking Tools</b>	Jira, Confluence
<b>Logging/Monitoring Tools</b>	Log4j, Splunk, Nagios, ELK
<b>Visual Modeling/Documentation</b>	UML, Rational Rose, MS Visio, Swagger
<b>IDEs</b>	Eclipse IDE, Spring Tool Suite (STS), IntelliJIDEA
<b>Databases</b>	Oracle, MySQL, SQL Server, MongoDB, Cassandra
<b>Operating Systems</b>	Windows, Linux, Unix
<b>SDLC Methodologies</b>	Agile, Scrum, Waterfall, Test Driven Development (TDD)

#### PROFESSIONAL EXPERIENCE:

Client: Verizon, Irving, TX

July 2022 – Present

Sr. Java Full Stack Developer

##### Responsibilities:

- Implemented new **APIs** using Restful Web Services using **Spring Boot** to interact with mobile application and client's legacy systems.
- Implemented **Spring Cloud Config**, **Ribbon**, **Hystrix** and **Zulu API-Gateway** in the Spring Cloud and **Netflix Eureka Service** to provide weighted load balancing based on several factors like traffic, resource usage, authentication, monitoring services and routing.
- Implemented **Spring Rest Controller** classes for request handling, Service classes for business logic, and DAO persistent layer classes using **Hibernate ORM**.
- Implemented Batch employments utilizing **Spring Batch** made different thing peruses, thing essayists and thing processors.
- Utilized **AWS Lambda** platform to upload data into **AWS S3 buckets** and to trigger other Lambda functions (**EC2**, **MongoDB**) focusing on high availability, fault tolerance, and auto-scaling).
- Worked on multiple AWS instances, set the **Security Groups**, **Elastic Load Balancers (ELB)** and AMIs, Auto scaling to design cost effective, fault tolerant, and highly available systems.
- Implemented authentication and authorization for the application using **Spring Security and OAuth2.0**.
- Developed API's and REST API proxy using **APIGEE Edge** for sending mobile notifications, implemented payment gateway on APIGEE Edge API Management platform.
- Used **AWS CloudWatch** in maintaining and monitoring production and corporate storage.
- Worked on **Swagger API** and auto-generated documentation for all REST calls.
- Developed dynamic and browser compatible pages using **HTML5**, **CSS3**, **JQuery**, **ReactJS** and **JavaScript**.
- Implemented various screens for the front-end using **ReactJS** and various predefined components from **NPM (Node Package Manager)**, **Bower** and **Redux Library** for dependency management.
- Created various template and data-driven form components using **React Forms** and defined module-level routing various components in the application using **React-Router**.
- Designed and enhanced **Kafka** producers to stream the data from external Rest APIs to Kafka topics.
- Deployed Spring Boot based Microservices in **Docker Container** by using **AWS Admin Console**.
- Implemented **Kubernetes** manifests, helm charts for deployment of microservices into K8s clusters.

- Developed strategies & tools to create an efficient automated integration and release process using **Jenkins**.
- Used **GitHub** to maintain the version of the files, code merges and created new branch when new feature implementation starts.
- Used **Maven** for building and deploying the web application into **Apache Tomcat**.
- Wrote test cases using **JUnit** framework to validate the application flows in different scenarios.
- Extensively used **Spring Tool Suite (STS)** IDE for developing, debugging, integrating and deploying the application.
- Actively used the defect tracking tool **JIRA** to create and track the defects during QA phase of the project.

**Environment:** Java 17/11, Amazon Web Services (AWS), Netflix OSS Stack, APIGEE Edge, Spring, Hibernate, HTML5, CSS3, JavaScript, JQuery, ReactJS, Redux, React-Router, NodeJS, Node Package Manager (NPM), SOAP, RESTful Web Services, OAuth 2.0, Swagger, Apache Kafka, Docker, Kubernetes, Jenkins, Maven, GitHub, Junit, MongoDB, Apache Tomcat, Spring Tool Suite (STS), Jira

**Client: New York State Higher Education Services Corporation, Albany, NY**

**Feb 2020 – July 2022**

**Java Full Stack Developer**

**Responsibilities:**

- Used **Spring** as application framework to build the service layer and implemented its core modules such as **Spring Boot, Spring Core Container, Inversion of Control, Data Access and MVC**.
- Implemented **Microservice Architecture** with **Spring Boot** based RESTful services and consumed SOAP based Web Services.
- Used **Spring Batch** for scheduling and maintenance of batch jobs.
- Created **Spring Controllers** and integrated with Business Components and View Components.
- Configured **Spring Security** in the application to secure the method calls and RESTful web services.
- Authenticated Users and provided security to Restful web services using **OAuth 2.0**.
- Used Object/Relational mapping tool **Hibernate** and **JPA** to achieve object to database table persistency.
- Created and configured **EC2 instances** on **Amazon Web Services (AWS)** for establishing clusters on cloud, and configured the storage on **S3 buckets**.
- Defined **AWS Security Groups** which acted as virtual firewalls that controlled the traffic allowed reaching one or more AWS EC2 instances.
- Used Spring Kafka framework to publish and consumer messages into/from **Kafka Cluster**.
- Participated in daily scrum meetings and reviews with sprint deliveries as part of **Agile** development environment.
- Developed the UI using **HTML, JSF, JQuery, CSS, and JavaScript** and used **Ajax** to make calls to other services.
- Created multiple reusable UI Directives by defining **AngularJS** Directives, Attaching Event Listeners, Controllers and updating DOM elements.
- Designed and developed presentation layer using **JSP** which acts as View in a distributed MVC architecture, which involves model components and controller components.
- Scheduled the build process for software applications and staging it to QA, UAT and production environments.
- Implemented CI/CD pipelines using **Jenkins** and build and deploy the applications.
- Utilized Source Control Management Systems **GIT** to track and manage changes to code.
- Deployed web application components on **Tomcat server** for development and test environments.
- Used **Maven** as a build tool and retrieved all the dependencies required for the application.
- Used **Eclipse** Integrated Development Environment for coding, debugging, and testing application modules.
- Wrote & executed various SQL Queries and PL\SQL programs to retrieve the data from the database **Oracle**.
- Developed test cases using **JUnit** for unit testing as well as integration testing.
- Used **Log4J** for logging, debugging, testing purposes and maintaining system state.
- Used **JIRA** tool for tracking new requirements, enhancements and bugs.

**Environment:** Java 11/8, Spring, Hibernate, Amazon Web Services (AWS), HTML5, CSS3, Ajax, JavaScript, JQuery, Bootstrap, JSP, JPA, SOAP, Restful Web Services, OAuth 2.0, Maven, Jenkins, GIT, Apache Tomcat, Oracle, Eclipse IDE, Junit, Log4j, Jira

**Client: Discover financial services, Wood River, Illinois**

**May 2018 – Feb 2020**

**Java Full Stack Developer**

**Responsibilities:**

- Developed application on **Spring framework** by utilizing its features like Spring Dependency Injection, Spring Web Flow with **Spring MVC and Spring Boot**.
- Developed backend **REST API** services using Java on **microservice architecture** system.
- Installed the application on AWS **EC2 instances** and configured the storage on **S3 buckets**.

- Created different **AWS Lambda functions** and **API Gateways** to submit data via API Gateway that is accessible via Lambda function.
- Used **Spring Boot** for modifying an application that transferred files from one server (source) to another server (sink) based on customer configurations.
- Introduced **Spring AOP** to the project modules to concentrate on business logic, instead of the cross-cut concerns.
- Created batch jobs using **Spring Batch** with listeners and processes to work on the scheduled jobs.
- Developed UI component architecture for developer framework using **Angular, Typescript, HTML5, CSS3 and Bootstrap**.
- Created **Spring Data Repositories** for PL/SQL, SQL databases.
- Used **Hibernate**, object/relational-mapping (ORM) solution, technique of mapping data representation from MVC model to Oracle Relational data model with a SQL-based schema.
- Used **Java Message Service (JMS)** with **Apache Kafka** for reliable and asynchronous exchange of information, such as fund transfers and refund transfers.
- Consumed **REST APIs** from the Angular front end using Angular HTTP Client and developed Custom Http Interceptors and Error Handlers in the application.
- Used **AJAX** to request XML data through third party APIs to acquire products data from server and display it in sorted order.
- Created and updated the **Oracle** database tables, used PL/SQL queries on views and stored procedures.
- Created **Maven** build file to build the application, configured and deployed the application on **Apache Tomcat**.
- Used **GIT** for Source Control and Version Management of all codes and resources.
- Used **Jenkins** for auto builds and to setup the continuous integration (CI) process for the application.
- Used **Eclipse** as IDE for developing Java application and used **Log 4j** for logging.
- Utilized **JUnit** to test the application modules and created various test cases to test application.

**Environment:** Java 8, Spring, Hibernate, Amazon Web Services (AWS), HTML5, CSS3, Ajax, JavaScript, Typescript, AngularJS, Bootstrap, Apache Kafka, XML, JSON, OAuth 2.0, Restful Web Services, Maven, Jenkins, GIT, Oracle, Eclipse IDE, Log4j JUnit

**Client:** MedConnect Health Services, Houston, TX

**Dec 2015 – May 2018**

**Java Developer**

**Responsibilities:**

- Involved in various phases of **Software Development Life Cycle (SDLC)** such as requirements gathering, modelling, analysis, design, development, and testing.
- Designed the system using **UML** use case diagram, class diagrams, sequence diagrams, component diagrams and activity diagrams using Rational Rose.
- Used **Java 8** Lambda expressions along with Streams for creating internal iteration and performing chain operations such as Filter, Map, collect on a collection objects.
- Used **Spring Framework** for implementing business logic and maintaining transactions.
- Created **Java Beans** to use them in spring and hibernate configurations and mapping between the services.
- Created dynamic **HTML** pages, used **JavaScript, jQuery, JSF, Prime Faces, AJAX** to create interactive front-end GUI.
- Used Business Delegate, Singleton, Front Controller, Factory and DAO design patterns.
- Developed various **EJB** components to fulfil the business functionality.
- Used **JMS API** for asynchronous communication by putting the messages in the message queue.
- Exposed and consumed **SOAP** based Web Services to communicate between systems.
- Worked on both consumption and producing of **Restful** based Webservices using **JAX-RS and Jersey** parsers.
- Developed programs to manipulate the data and perform CRUD operations on request to the database.
- Developed **XSLT files** for transforming the **XML** response from the web service into HTML as per the business requirements.
- Deployed the application as an enterprise application on **WebSphere application server**.
- Created database objects like tables, views, materialized views, procedures, and packages using Oracle tools like Toad, PL/SQL Developer and SQL\* plus.
- Wrote backend scripts that performed maintenance tasks on the contract data using **JDBC**.
- Used **Log4j** for debugging, testing the application modules and to maintain the status of application.
- Designed and developed **JUnit** test cases during the development phase.
- Supported application in debugging, fixing, maintenance and bug fixes.

**Environment:** Java 8, Spring, Hibernate, EJB, Servlets, JSF, Prime Faces, Ajax, JavaScript, JQuery, HTML, CSS, JDBC, XML, XSLT, Rational Rose, SOAP, Restful Web Services, JAX-RS, Jersey, JMS, Oracle, Log4j, Junit, Jira

**Client: SBM Bank Mauritius, Port Louis, MU**

**May 2011 – Aug 2013**

**Java Developer**

**Responsibilities:**

- Involved in complete software development life cycle including design, development, testing, monitoring logs, debugs and trouble shoot and fix the problems in various environments in **AGILE Methodology**.
- Worked on configuration of **Spring and Hibernate**, used generic DAO design to build Hibernate DAO classes.
- Implemented business layer using Core Java, Spring Beans using dependency injection, spring annotations.
- Used **Spring MVC** Framework Dependency Injection for integrating various Java Components.
- Developed **Hibernate** mapping files for the Object Relational Mapping while configuring Hibernate.
- Implemented Hibernate to map all the tables from different data sources to make database updating.
- Configured Hibernate configuration files to persist the data to the **Oracle Database**.
- Developed user interface with **JSP, JSF, HTML, JavaScript and CSS**, developed various Action and Bean classes.
- Used JSTL and wrote custom JSP tag libraries. Implemented role-based handling in JSP pages.
- Developed and consumed **Restful web services** to accumulate data and generate reports.
- Used **XML Web Services** using SOAP protocol to transfer the amount to other application remotely.
- Exposed Web Services for system integration and developing Restful Web Services for accessing information.
- Used **DOM** parser for validating the XML files against their respective XML schemas.
- Implemented the Email module, which included setting up **JMS** message queue.
- Created complex SQL queries and used **JDBC** connectivity to access the database.
- Deployed the application in **WebLogic Application Server**.
- Used **Eclipse** as the IDE to develop, test and deploy the application.
- Monitored the error logs using **Log4J** and fixing the problems.
- Used **JUnit** for the testing the application in the testing servers and performing User Acceptance Testing (UAT).
- Responsible to finish **Jira** Tickets assigned on time and update their status on regular basis.

**Environment:** Java 8, Spring, Hibernate, HTML5, CSS3, JavaScript, JSP, JSF, XML, JDBC, SOAP, Restful Web Services, WebLogic Application Server, JMS, Oracle, Eclipse IDE, Junit, Log4j, Jira, Agile