**Bhavya**

**Full Stack Developer**

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**PROFESSIONAL SUMMARY:**

* Over 7years of experience involving all phases of Software Development Life Cycle (**SDLC**) including planning, analysis, design, implementation, testing and maintenance of Multi-Tier distributed, secure enterprise applications using **Java/J2EE technologies** in **Banking, Insurance and Communication.**
* Experience in application development using Software development methodologies such **as Agile, Waterfall development and TDD (Test Driven Development) environments**.
* Expertise in **Core Java** concepts of **Java/J2EE** like **JSP**, **Servlets**, **JSF, JSTL, EJB** transaction implementation (CMP, BMP, Message-Driven Beans), **JMS, Structs , Spring , Hibernate , Java Beans, JDBC, XML, Web Services, JNDI, Multi-Threading, Data Structures** etc.
* Experience in User Interactive (UI) Web Pages and visually appealing User Interface using**HTML5, CSS3, jQuery, Ajax and JavaScript.**
* Extensively worked on XML related technologies like **XML, XSLT, XPATH, XSL, DTD and DOM**.
* Responsible for creating a microservice system using **Java 8** with **Spring Boot, RESTful API, SOAP API** and experience with **Java 8** features like **Stream, Lambda expressions** and **Filters**.
* Experienced in Middleware persistence frameworks like **Hibernate/JPA** for mapping Java classes using **Hibernate Query Language (HQL)**, **HSQL Named Queries**, **Criteria**, **and Projections.**
* Experience in database modelling, design and development of **PL/SQL stored procedures**, packages in relational databases like **Oracle 9i/10g / 11g, SQL Server 2005/2008 and MySQL**.
* Experience with **MongoDB** development (reports, schema design, map reduce functions) and migrations from **SQL** relational databases to **NoSQL** databases like **MongoDB and Cassandra.**
* Experienced in implementing Service Oriented Architecture and Web Services such as **SOAP** using **WDSL**, **JAX-WS** and **REST** using **Spring Boot, JAX-RS and Jersey Frameworks**.
* Hands on experience in configuration and deployment of multi-tier applications using servers like **Apache Tomcat, WebSphere, JBoss** and **WebLogic.**
* Knowledge on Spring Framework like **Spring Core, Spring IOC, Spring MVC, Spring ORM and Spring Boot** .
* Involved and developed various phases of security implementation using **Spring Security** system against all types of authentications like **LDAP authentication**, **Basic authentication** and **Pre-Authentication**.
* Having knowledge on (JMS) MQ’s like **Kafka, Rabbit MQ** and **Active MQ**.
* Hands on experience with version control tools like **SVN**, **GIT** and **CVS**.
* Experience in using **Jenkins** for CI/CD process.
* Hands on experience with build tools like **ANT**, **Maven** and logging tools like **Log4j and SLF4J**.

**TECHNICAL SKILLS:**

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| **Languages** | **C, C++, Java/J2EE, SQL, NoSQL** |
| **Web Technologies** | **HTML5, XHTML, DHTML, CSS3, JavaScript AJAX, jQuery, AngularJS/2/4, React JS, Bootstrap** |
| **Java/J2EE Technologies** | **J2EE, Servlets, JDBC, Struts, EJB, Hibernate, Spring MVC, Spring Boot, Spring Security, SOAP, REST** |
| **Application/Web Servers** | **IBM WebSphere, Apache Tomcat, WebLogic, JBoss, Glass Fish** |
| **Relational Databases** | **Oracle 9i/10g/11g, DB2, SQL Server, MySQL, Mongo DB** |
| **Cloud Environments** | **AWS, Pivotal Cloud Foundry** |
| **IDE** | **Eclipse, NetBeans, IntelliJ IDE, Spring Tool Suite (STS).** |
| **Operating system** | **Windows, Linux, Unix** |
| **Methodologies** | **Agile, Waterfall, TDD (Test-Driven-Development).** |
| **Build Tools** | **Maven, Gradle, Log4J, Jenkins** |
| **Version Control** | **CVS, SVN, GIT, JIRA** |
| **Web Services** | **SOAP, RESTful, JAX-WS, JAX-RPC, JAX-RS** |

**TECHNICAL EXPERIENCE:**

**Client: T-Mobile, Bothell, WA** **Duration: July2018 - Till Date**

**Role : Full Stack Developer**

**Description: T-Mobile is a leading Telecom Domain company based in USA. T-Mobile Equipment Installment Program (EIP) team works with clients to help their customer’s finance their Mobile devices from various available installment plans introduce new plans and calculate down payment and monthly Installment using Credit Information of an end user. Also, helps them Return or Exchange their Mobile. Device and upgrade to a new mobile device using jump Upgrade Option.**

**Responsibilities:**

* Followed **Agile methodology** and involved in daily **SCRUM** meetings, sprint planning, showcases and retrospective and used **Rally** as a tracking tool for the sprints.
* Extensively made use of **Java8** features like **Functional Interfaces and Lambda Expressions**, **Method References** and **Stream API** for bulk data operations on **Collections**.
* Involved in developing UI pages using **Angular 4.0**, **HTML5**, **CSS3** and **Twitter Bootstrap**.
* Worked on **Java 1.8** features such as **Lambda** Expressions for making anonymous inline function calls by using Functional Interfaces which makes code readable and concise.
* Used **Multithreading** in programming to improve overall performance using **Singleton** design pattern in Hibernate Utility class.
* Designed and developed **Microservice** using synchronous protocols like **HTTP**, **REST (JAX-RS) and SOAP (JAXB)**.
* Implemented **Spring Framework** including **Spring Core/IOC**, **Spring AOP**, **Spring ORM** and **Spring Boot** and implemented the authentication, authorization, and access-control features by making use of **Spring Security**.
* Used **Spring** **Boot** to develop and deploy both **RESTful web services** and **MVC applications**.
* Implemented **Swagger** Configuration in Java **Spring Boot** for auto generating swagger **JSON** files for **REST API calls**.
* Implemented exception handling in **Java Spring Boot** for **REST API**, by making use of Exception Handler and Controller Advice annotations.
* Used **Apache Kafka** for achieving synchronous and asynchronous messaging techniques.
* Developed the Application Module using several design patterns like **Singleton**, **Factory**, **DAO**, **DTO**, **Business Delegate**, **Façade**, **prototype** and **Composite View**.
* Used **Hibernate**, **object/relational-mapping (ORM)** technique for mapping data from **MVC model** to MySQL Relational data model with and SQL-based schema.
* Developed **session**, **entity beans** and **message driven beans**, mapping of Java objects to database tables using **Hibernate**. Extensively used **Hibernate Transaction Management and Hibernate Batch Transactions**.
* Created database objects like Stored Procedures, Tables, Views, Sequences, Cursors, Packages and Triggers.
* Used **PostgreSQL** as customer database then migrated to **MongoDB**, used both database in Spring Boot.
* Implemented **GUID(**Global Unique Identifier) for unique identification of logs.
* Developed **Maven** scripts and developed builds using Maven and continuous integration servers like **Jenkins**.
* Used **Log4j** for logging errors and **GIT** for version control.
* Deployed the application on **JBOSS** application server.
* Developed unit and integration tests for existing microservice using **Junit and Mockito.**
* Integrated **SOAPUI** in **Jenkins** with Maven environments for unit and Integration testing.

**Environment: Java 8, J2EE, Spring Boot, AJAX, jQuery, Angular4, Microservices, JBOSS, Hibernate, Apache Camel, Basic Authentication, Swagger, RESTful web services, SOAP web service, PostgreSQL, Maven, Jenkins, Kafka, Git, Rally, JUnit, Mockito, Log4j**.

**Client: American National Bank, Cleveland, OH Duration: Dec2017- June2018**

**Role : Java/ J2EE Developer**

**Description:** American National Bank is one of the secures financial institution that serves huge domain of customers. Bank offers various financial and banking services to its customers. The current application is a part of online banking that allows a customer to pay bills securely as well as enroll in monthly automatic recurring bill payment. The functionalities involved in e-bill payment are Add a payee, make a payment, and set up Automatic Payments, Receive Bills Electronically, Request E-mail Notifications and Review Payments. The application also supports intra and interbank transfer of funds for a given customer.

* Involved in requirement analysis, design, development, testing of application using **Agile** methodology.
* Used **Prime Faces** in the development of rich UI components for Java Server Faces.
* Designed application by implementing **Prime Faces** components as View and Face Servlet as a controller.
* Used **AWS** (Amazon Web Services) as a cloud platform to deploy the application.
* Leveraged **AWS** cloud services such as **EC2**, auto-scaling and **VPC** to build secure, highly scalable and flexible systems that handled expected and unexpected load bursts.
* Used **Amazon IAM** to grant fine-grained access to AWS resources to users. Managed roles and permissions of users to AWS account through IAM.
* Experience in Integration of **Amazon Web Services**, **AWS** with other applications infrastructure.
* Utilized **S3** buckets and **Glacier** for file storage and backup on AWS cloud.
* Developed various helper classes necessary using **Multi-Threading**.
* Developed Interactive web pages using **AngularJS**, **HTML5**, **CSS3** and **JavaScript**.
* Developed client-side application with **React** in a clean **Model View Controller (MVC)Architecture.**
* Developed user interface by using the **React.js,** Flux for **Single page application** (SPA) development.
* Experience in **React js** Libraries like redux thunk, redux saga. Experience with modern build tool chains, like JavaScript frameworks/technologies such as **Express.js, Angular.js, React.js and Node.js.**
* Used **NodeJS** (Express) to create API which can provide or consume JSON.
* Integrated the **IOC** container of **Spring** Framework to handle the creation of beans, dependency injection and transaction management.
* Used **Hibernate ORM** to integrate with business application with Oracle Database where **Hibernate template** is used to implement business logic. Created XML configuration file for **Hibernate Database connectivity**.
* Consumed Web Services by implementing Spring's **REST** support for development of **RESTful Web services**.
* Created **Shell script** to deploy resource bundles on different environments.
* Worked with **Git** Version control system to track various aspects of the project.
* Used **Maven** as build tool on Java projects for the development of build artefacts on the source code.
* Used **Log4j** logging framework to write Log messages with various levels for logging across the application.
* Execute finished output and supporting documentation for banking requirements
* Created and managed a **Docker** deployment pipeline for custom application images in the cloud using **Jenkins**.
* Developed test cases using **JUnit** and **jMock** for unit testing as well as integration testing as part of **Test-Driven Development (TDD).**
* Interacted with Business Analysts to come up with better implementation designs for the application. Provided production support for the application.
* Involved in **testing, debugging** and **documentation** of the system.

**Environment: Java 7, J2EE, Spring MVC 3.0, Hibernate 3.0, JSP, AngularJS, Node.js, HTML5, CSS3, JavaScript, AWS(VPC, EC2, IAM, Lambda, ELB, S3), RESTful web services, Rabbit MQ, ESB, Shell Scripts, Git, Maven, Log4j, Cassandra, Oracle 11g, Docker, JUnit, jMock.**

**Client: Qwest, Denver, CO Duration**: **oct 2015 -Nov2017**

**Role : Java Developer**

**Description:** Consulting is a web-based order management system for Qwest residential service. Qwest Customer Service Representatives will use Consulting+ thin client application to order various telephone services for the residential customers. This application replaces the existing thick client application to place the orders.

**Responsibilities:**

* Worked on **Agile** methodology including team-based design and code reviews.
* Actively involved in Requirement Analysis, designing, development and testing of the entire application.
* Developed the web interface using **HTML5, CSS3, JavaScript, jQuery, AngularJS, and Bootstrap.**
* Enhance and modify the presentation layer and GUI framework that are written using JSP and client-side validations done using JavaScript.
* Implemented navigation using **Spring MVC** controllers, configured controllers using Spring MVC annotations and configuration files.
* Implemented spring framework **Bean Factory** &**Application Context** for bean initialization and configurations.
* **Spring AOP** is used for logging, auditing, and security and transaction management to distinguish business logic from the crosscutting concerns.
* Implemented the back-end functionality of the modules using **Singleton** and **Session Facade** design patterns.
* Configured **Hibernate configuration** files to persist the data to the **Oracle 10g Database**.
* Configured **Hibernate** objects as Spring Beans in Spring Configuration File.
* Involved in development of POJO classes and writing **Hibernate Query Language (HQL)** queries.
* Asynchronous messaging is done using **JMS** and created **Queue** for point to point messaging.
* **Developed REST web services using Spring MVC to extract client related data from database and used SOAP UI for testing these RESTFUL API web services.**
* Implemented **Service Oriented Architecture (SOA)** by developing and consuming **RESTful** web services based on **JAX-RS** and **Jersey**.
* Designed and implemented Java Classes to use JAXP parser to create Java objects to be able to modify the data received in the response.
* Implemented Core Java Concepts such as **Multi-Threading**, **Exception Handling** and **Collections** when needed.
* Handled **Multi-Threading** part in the back-end component, one thread will be running for each other.
* Worked with **DB2** and wrote SQL Queries, Stored Procedures, triggers, views and integrated SQL Queries into DAO.
* Deployed the application on **Tomcat** Application Server.
* Used **Log4j** logging mechanism for logging.
* Used **SVN** for versioning and concurrent access to the project files.
* Resolving spring framework artefacts and code build & deployment with **Maven**.
* Used **JIRA** for defect and issue tracking.
* Used **Jenkins** for continuous integration/continuous deployment.
* Automated regression test cases using **Selenium**.
* Coordinated with testing team for timely release of product.

**Environment: Java, J2EE, Spring MVC 3.0, Hibernate 3.0, HTML, CSS, JavaScript, React JS, JMS, SOAP, Axis2, Maven, Jenkins, DB2, Selenium, Log4j, SVN, JIRA, Tomcat 6.0.**

**Client:** **Hibernate Framework, Hyderabad, India.** **Duration: May2012- July2015**

**Role : Java Developer**

**Description:** Developed a web-based application which enables customers and Customer Service Representatives of our client to access the account information of its end users on-line. This application can be used to view the account details such as plan details, the services, and profile information of the end users. The Customer representatives of our client can view all these information as well as perform additional administrative tasks.

**Responsibilities:**

* Involved in requirement analysis, design and development of the application.
* Created the design using class diagrams and sequence diagrams.
* Implemented **MVC** architecture using **JSP, Servlets and EJB.**
* Developed web Components using **JSP, HTML, CSS and JavaScript.**
* Extensively used XML documents with XSLT and CSS to translate the content into HTML to present to GUI.
* Developed **EJB** middleware components to implement business objects and business logic of the system.
* Used **JDBC** to establish connectivity to the database for performing the database operations.
* Created and modified Stored Procedures, complex SQL Commands for the application using PL/SQL.
* Deployed the application on **WebSphere** application server.
* Involved in enhancements of the system and worked on fixing bugs and supporting the entire system.

**Environment: Java 5, J2EE, JSP, HTML, CSS, JavaScript, XSLT, Servlets, EJB, JDBC, WebSphere 7.0, Oracle 10g, PL/SQL.**