**Indrani Chukkapalli**

**Full Stack Java Developer**

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**PROFESSIONAL SUMMARY:**

* Full Stack Java Programmer having experience of **Around 8 years** in the software development life cycle (**SDLC**) process working with various phases like requirements **gathering and analysis, developing and testing in the domains like Banking, Insurance, e-Commerce**.
* Experience in using Software Development Life Cycle (SDLC) methodologies like **Agile/Scrum and Waterfall.**
* Expertise in server-side development with **JDBC, Servlets, EJB, JSP, MVC architecture, Java Beans, XML.**
* Strong working experience in Design, Development of several Web-based Applications using open source framework **such as spring.**
* Well experienced in developing applications using **JQuery, React JS, Handlebar JS** for view rendering and implementing **ReactJS** with **Redux and Flux** patterns to attain **MVC** functionality.
* Have good knowledge on different **databases** like **PostgreSQL, MySQL, DB2, Oracle 13c/11g, Microsoft SQL Server, NoSQL DB (Raven DB, Mongo DB and Cassandra, Couch DB, Redis.**
* Experience in developing applications using **Spring MVC** and establishing database communication using **Hibernate**.
* Expertise in working with **Java8** features like **Functional Interfaces, Stream API, Time API, Transaction Management,** Exception Handling, Collection API, Lambda Expressions**.**
* Expertise in various **J2EE design patterns like Singleton, Factory, Abstract Factory, DAO, MVC,**
* **Façade &Business Delegate** in the development of enterprise applications
* Strong working experience with Integrated Development Environment (IDEs) like **Eclipse, My Eclipse, WebStorm, IntelliJ Idea, NetBeans.**
* Experienced in MEAN stack development applications using **MongoDB, Express.JS, Angular & Nodejs.**
* Experience in applying **JMS (Java Messaging Service)** for reliable information exchange across **Java** applications using Apache **Kafka, RabbitMQ, ActiveMQ** and **IBM MQ** to communicate from **Client** to **Server.**
* Experience in developing user interfaces with **AngularJS, HTML, CSS, JSTL and Custom Tag Libraries**
* Proficient in developing GUI using web technologies **like CSS, HTML, Java Script, JQuery, JSON, PHP, Bootstrap.**
* Experience in design and development of Dynamic web projects using **Maven** project structure by injecting Maven dependencies.
* Extensive experience in micro services cloud architecture in **AWS (EC2, S3, EBS, Cloud watch, load Balancer)**
* Experience in creating developer log files for each request and response using **Spring AOP**.
* Experience in developing application components using **JMS** for asynchronous communication.
* Experience in design and development of multi-threaded applications for immediate response to clients.
* Competence in designing **Data Flow Models, Conceptual Data Models, Class Diagrams, State Diagrams and Use Case Diagrams**.
* Expertise in application and web servers such as **Apache Tomcat, IBM WebSphere, JBOSS.**
* Experience in writing Data Access Object (**DAO**) using **Hibernate** mapping and **Hibernate**.
* Experience building the design principle Service Oriented Architecture (**SOA**) software applications in **Java**.
* Proficient in XML technologies like **XML, XHTML, XSL, XQuery, XSD, JAXB and JAXP (DOM & SAX).**
* Experience working with Relational Database Management Systems (RDBMS) like **MySQL, SQL, Oracle, IBM DB2, PostgreSQL.**
* Experience working with **NOSQL databases like Cassandra, MongoDB.**
* Good working experience with Version Control Tools (**Git, BitBucket), Build Tools (Ant, Maven, Gradle), Automation Tools (Selenium, Quick Test Pro), Bug Tracking Tools (Jira, BugZilla, Redmine, ALM), Ticketing Tools (DoveTail), Other Tools like Log4j, Logback, Junit, TestNG, Jenkins, Cumcumber, putty.**
* Expert in developing **Java Selenium Web Driver/RC/IDE/GRID test scripts using Java, JavaScript, Python and Ruby and Test Frame works using Testing/ Junit, ANT/MAVEN build tools**.
* Experience in Installing, upgrading and configuring **RedHat Linux 3.x, 4.x, 5.x,6.x and 7.x** using Kickstart Servers and Interactive Installation.
* Experience on implemented **Microservices** based Cloud Architecture using **Spring Boot.** Created and Configure **Microservices** architecture.

**TECHNICAL SKILLS:**

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| **Programming Languages** |  J2EE, Java1.5/1.7/1.8 , HTML, C/C++, XML, UML, SQL, PL/SQL, Unix |
| **UI Frameworks** | HTML, CSS, JSP, jQuery, Ajax, Bootstrap, Angular6, AngularJS |
| **Messaging services** | JMS(Rabbit MQ), Multithreading, JSP, Spring, Hibernate, Apache kafka |
| **Application Frameworks** | Struts 1.x/2.x, Spring Core, Spring MVC, Spring Security, Spring Batch, Spring ORM, ReactJS. NodeJS |
| **Application/Web Servers** | Tomcat, WebLogic |
| **IDEs** | IntelliJ, Eclipse, STS |
| **Web Services** | REST,SOAP |
| **Web technologies** | JavaScript, AJAX, CSS, HTML |
| **Methodologies** | Agile, Scrum |
| **Database Servers** | Oracle 9i/10g/11g/12c, SQL Server, MySQL, Mongo DB. |
| **Version Control** | GIT, SVN |
| **DevOps Tools** | Jenkins, Docker |
| **Build Tools** | Maven and Gradle |
| **Testing Technologies** | JUnit, Mockito |
| **Cloud Technologies****AWS Services** | EC2, EBS, S3, SNS, ES, SQS, RDS, VPC, Route53, ELB, IAM, Elastic Search |

**PROFESSIONAL EXPERIENCE:**

**Client: American Express, Phoenix, AZ July 2019 to Present**

**Role: Full Stack Java Developer**

**Description:** Develop an API to provide a mechanism to orchestrate fulfillment of a newly approved loan application which will update account information with the client by sending requests to multiple system of records as part of fulfillment. This product is about non-card lending for existing customers.

**Responsibilities:**

* Collected business requirements from client and mapped them into proper payload structure for **REST** as well as **SOAP** web services being invoked during orchestration.
* Develop **REST**ful web services based on the mapped structure using open source tool jBPM, KIE-Server, **Java**, JBoss Developer Studio.
* Use **Spring** Cloud Stream template for the asynchronous exchange of critical business data and events among **J2EE** components
* Develop unit test cases using JUnit, Power Mock, Mockito, Mock Process Context, Mutation testing.
* Deploy the code into RedhatecP cloud platform E1 environment using ecP cloud console, XL Release tool, **Jenkins**, and Git.
* Worked on **Mongo DB** concepts such as locking, transactions, indexes, replications, schema design**.**
* Used **Spring Data JPA** repositories and **hibernate** for Database access.
* Used **Express** with **NodeJs** to create Web services which consume data from Azure cosmos DB.
* Developed user Interface using **ReactJS**, **HTML5, CSS/CSS3(SAAS)**, **Bootstrap 4.0, Redux.**
* Design and develop Swagger documentation in YAML format for the API using swagger editor.
* Developed User Interface using **JSP, JSTL, HTML, CSS, Java Script, jQuery** and **AngularJS**.
* Develop virtual **Rest** web services to test the development in E0 environment using Wire mock tool.
* New library development with micro services architecture using **Rest APIs**, **spring boot** and **Amazon Web services.**
* Responsible for migrating existing modules in **IBM MQ** to **Apache Kafka** and worked on creating **kafka** adaptors for decoupling the application dependency.
* Used **Docker** for creating **Docker images** for launching containers on **AWS EC2** and Expert in using **Docker** for Environment provision solution.
* Wrote various types of Business rules in the. drl (drools file) using Drools rule engine for business decision making.
* Develop **REST** service using **Spring boot**, **Java** Reflection API, Custom Annotation to compare two different payloads for verification of correctness in data mapping.
* Responsible for creating and maintaining **microservices** architecture applications for **Rest**ful API using **Spring Boot,** jBPM**.**
* Import SSL certificates into jkskeystore to enable two-way SSL authentication.
* Improve code quality based on SonarLint, PMD reports, code coverage using JaCoCo (Java Code Coverage) reports.
* Used SAFe( Scaled Agile Framework) principles to implement the projects using two-week sprints, sprint planning, daily standups, grooming, estimation and retrospectives.
* Used Maven to build and deploy application onto **JBoss** web container.
* Used GitHub as version control tool
* Extensively used **SLF4J and Log4j** to log regular Debug and Exception statements.

**Environment:** Java, J2EE, Hibernate, JPA, ReactJS, Mongo DB, Spring,SOAP, Junit, AWS, AngularJS, Cassandra, WebLogic HTML 5, CSS 3, JavaScript, Jenkins, Apache kafka, Nodejs, jQuery, Microservices, JBoss, Linux, MuleSoftESB, CICD, Docker, Spring Boot, JIRA, Eclipse, AJAX, Angular JS, JSON, JSF.

**Client: United Health Group, Basking Ridge, NJ** **Mar 2018 to June 2019**

**Role: Java/J2EE Developer**

**Description:** United health is the largest single health carrier in the United States. We worked on the application which will process the eligibility files that are sent by the customers. This application uses the information provided by the customer profile and rule engine to compile the process, which are successful in process are updated in Database. Worked as both development and production support.

**Responsibilities**:

* Responsible for coding the business logic using **Spring MVC**.
* Used **SpringAOP** for cross cutting concerns like logging, security and transaction management.
* Designed the data layer using **Restful webservices** and **Hibernate ORM**.
* Worked on User interface system using **HTML**, **CSS**, **JavaScript**, and **JSON**.
* Performed deployment of applications on **IBM WebSphere Application Server**.
* Integrated the new **NEXUS** data seamlessly in the FAW project using **Webservices (REST & SOAP)**
* Involved in implementing validations, exception handling.
* Implemented core **java** concepts like Encapsulation, Inheritance, Polymorphism,Multi-Threading, **Java** collections and data structures in application development.
* Unstructured data was handled using **Mongo DB** and used **Mongoose** Connector for connecting to database.
* Designed and developed the **ETL (Extraction Transformation and Loading)** solution using the **request** module and the **OAUTH 2.0**protocol **in nodeJS.**
* Participated in development of a well responsive Single page application CCA using **AngularJS** framework, **JavaScript** in conjunction with **HTML5**, **CSS3** Standards
* Used **log4j** for logging the debug and info logs.
* Implemented various screens for the front end using **React**J**s** and used various predefined components from **NPM** and **Redux** library.
* Used **Maven** tool for building and packaging the application.
* Used **Jenkins** for **Microservices** deployment.
* Used **DB2** as backend database and developed business logic using Core **java** and **Spring** MVC for processing the front-end request and to fetch the data from database
**Debugged**, **tested** and **documented code fixes** for **production issues** working with both on shore and offshore resources.
* Implemented **CVS** management tool for code versioning and release.
* Used PUTTY for **UNIX** login and to check the server logs.

**Environment**: Java, JDK 1.7, Servlets, Hibernate 3.2, JPA 2.0, SOAP**,** Microservices**,** AngularJS**,** Spring 2.5, JSF beans, JSF, jQuery, Ajax, Oracle 10g, ReactJS, NodeJS, Eclipse 3.4,Apache Ant, Mongo DB, Jenkins, Web Services, Apache Axis 2.0, IBM WebSphere 6.1, JSF Tag Library , JavaScript, HTML, CSS, XML, Clear Case, Clear Quest.

**Client: Ally Bank, Fort Washington, PA Dec 2016 to Feb 2018**

**Role: Java Developer**

**Description:** Backbone system of logistics management for the Transplace. Extensible, scalable and maintainable system which can be customized and extended as per requirement of different customers. The whole system is designed for both synch and a synch inputs. The front-end processing is thru the web interface and invokes synchronous workflows. The other processing is thru processes and is asynchronous in nature thru JMS layer. The business logic resides in Session Beans and reusable server-side Java classes.

**Responsibilities:**

* Developed application based on **Spring** MVC Architecture.
* Developed client side pages using **HTML, CSS, JSP, JavaScript and AngularJS.**
* Written **Java**Script functions to do client side validation and **AJAX** functionality is used to get asynchronous data.
* Implemented database connections to Oracle database using **Hibernate configuration.**
* Written **hibernate** configuration and mapping files to establish connection between **java** objects and oracle tables.
* Deployed **WARS** and **EARS** using **Apache Tomcat web server**.
* Designed and developed **Micro Services** business components using **Spring Boot.**
* Configured **JDBC** connection pools and data sources for the applications.
* Deployed build and deployment scripts using **ANT** and **MAVEN** as build tools in **Jenkins** to move from one environment to other environments.
* Developed and consumed **SOAP**/**Restful** Web Services using **XML** and **JSON** message formats.
* Troubleshoots system hardware, software, networks and operating system.
* Performing clean builds according to the schedule published for a given releases.
* Responsible for design and maintenance of the GIT Repositories, views, and the access control strategies.
* Deployed **J2EE** applications to Application servers in an agile continuous integration environment and also automated the whole process.

**Environment:** Java, JDK 1.5,1.6, Servlets, Hibernate 3.2, Jenkins, JPA 2.0, SOAP, AngularJS, Microservices, Spring 2.5, JSF beans, JSF,jQuery, Ajax, Oracle 10g, , Eclipse 3.4,Apache Ant, Web Services, Apache Axis 2.0, IBM WebSphere 6.1, JSF Tag Library , JavaScript, HTML, CSS, XML, Clear Case, Clear Quest.

**Client: Birla Soft, India Nov 2012 to Feb 2016**

**Role: Software Engineer**

**Description:** The service offerings of the insurance company delivered through the Internet form the Web Enterprise suite of products. In addition to being a channel for providing relevant information to the

Customers/ general public on the company, its products etc, this also provides a mechanism to perform

Online transactions with the insurance company either directly or through various intermediaries /corporate agents and handle policies, renewals, endorsements, roclaim from anywhere in the globe.

**Responsibilities:**

* As a **Java** developer, I was responsible for requirements analysis, interacting with client-base/onsite developers to validate the understanding and actively involve as a team member for the development of the module. Analyzing, Validating and fixing the defects.
* Reviewing **software codes** and design documents.
* Extensive hands on work experience using **Microservices with Spring Boot**, Restful and SOAP, SOAP UI Web services.
* Configuration **Management- delivery of code** into onsite via Clear Case.
* Involved in Unit Test Specification, Design Document Specification and updating.
* Used **Spring data JPA** with **Hibernate 5** in data access layer to build the persistence layer
* Worked on integrating **Spring** with the **Elastic search** and developed API's to read and publish data from **Elastic search** cluster using native **Java** transport client as well as **REST** client
* Participate in feature discussion, feasibility and estimation of new features with Product Analyst.
* Resolve customer critical issues with immediate resolution.
* Preparing Test Cases, **Use Cases and Code Reviews**.
* Developed the front-end using **Java** Swing (involving **UI design**, user generated event handling, incorporation of underlying functionalities as per the laid down specifications)
* And also involved in incorporating business logic in SQL code (stored procedures).

**Environment:** Java, Core Java, JSP, Servlets, spring, Microservices, Hibernate, JavaScript, PL/SQL, JBoss Application Server, ClearCase, Junit, Log4j, Eclipse IDE, Rational Rose.

**EDUCATION:**

Bachelor’s of Engineering in Computer Science from Vellore Institute of Technology – India 2012