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# RAJAT KC

**Java Full Stack Developer**

## PROFESSIONAL SUMMARY

* **More than 6 years** of experience in the Industry with proficiency in Development of web applications.
* Proficient in different phases of **Software Development Life Cycle** (**SDLC**) including Design, Implementation and Testing during the development of software applications.
* Expertise in several Java/J2EE technologies like **JSP, JNDI, Servlets, JDBC, Java Beans, XML, HTML, CSS, Ajax, JavaScript, jQuery, Restful Web Service, SOAP, Core Java, Multithreading, Generics, Serialization, Spring and Object Relational Mapping (ORM**) tools like **Hibernate.**
* Experience in Spring Framework modules such as **Spring MVC (dependency of Injection), IOC, AOP** and **Spring JDBC, Spring DATA, Spring JTA, Spring IO, Spring Security, Spring Boot** with **Thyme leaf, Spring Batch, Spring Heroku, Spring Security, Spring Integration, Spring Zuul, Spring Eureka, Spring Netflix, Spring Hystrix.**
* Experience in Microservices Architecture with Spring Boot.
* Experience working with Web Services using **SOAP, Rest, JAX-WS, JAX-RS, JAX-RPC with Axis, CXF, Jersey.**
* Hands-on experience in working with XML related technologies such as DOM, SAX, XML Schema, XSL, XSLT, DTD, XSD, JDOM, JAXB, JAXP, XPATH and XQuery.
* Expertise in designing and creating **REST** **API's**.
* Expertise in Client Scripting language and server-side scripting languages like **HTML, DHTML, CSS, JavaScript, JSTL, AJAX, jQuery, Ext-JS, JSON, Dojo, bootstrap, AngularJS** and **node.js**.
* Experience in building **microservices** using **spring boot** and deploying to **AWS** Cloud.
* Working experience in **Core Java** with strong understanding & working knowledge of ObjectOriented Programming and API’s like **Collections, Multi-Threading, Exception**.
* Hands on experience in a **Linux** environment with Apache Tomcat on Amazon **AWS** Infrastructure Setup **Web Server,** **App Server** and **PDS Server.**
* Hands on experience in developing Persistence layer using **Hibernate, Spring Data, Spring JDBC.**
* Build and Deployed applications on **Tomcat, JBoss** and **WebLogic Servers.**
* Expert in Build Tools Like **CI/CD-ANT, Maven**, **Jenkins,** and logging tools like **Log4J**.
* Extensive experience in Integrated Development Environment (IDE) such as **Eclipse, NetBeans, IntelliJ, JBuilder, JDeveloper, WSAD, Spring Source tool suite.**
* Extensive Knowledge on SQL, PL/SQL, Queries, Views and Stored Procedures.
* Experience with CVS, SVN and GIT version control tools for code commit and update.
* Strong working experience with Relational Database Management Systems including **Oracle, MySQL, Access, SQL Server, DB2, MongoDB, PostgreSQL.**
* Excellent Communication, Teamwork, inter-personnel, presentation skills and self-starter who grasps quickly and is always willing to take on a variety of tasks with progressively increasing technical complexity.

## TECHNICAL SKILLS

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| **Programming Languages** | JavaScript, Java, C++ |
| **Front End Technologies** | jQuery, bootstrap UI, Angular JS, Angular HTML5, CSS3, JavaScript |
| **Back End Technologies** | JavaScript, NodeJS, Laravel, Spring Boot, ZK |
| **Web/Application Server** | IBM WebSphere, Apache Tomcat, JBoss, WebLogic |
| **Framework** | JSF, JPA, Spring, Hibernate, Spring MVC, ExpressJS, Laravel |
| **Build & deployment related**  **tools** | Apache Ant, Maven, Git, Gradle, Jenkins, SVN, Kubernetes, Docker |
| **Methodologies/Deploy &**  **Testing** | Agile methodology, Design patterns, TDD, Waterfall, Scrum, JUnit, integration testing, Selenium, TestNG |
| **IDE Tools** | Eclipse, VS Code, SQL Developer, IntelliJ IDE |
| **Databases** | Oracle, DB2, MS SQL Server, JDBC, ODBC, PostgreSQL, MongoDB |
| **Cloud technology** | AWS, EC2, S3, IAM, AMI, Redis |
| **Operating Systems** | Windows, Unix, Redhat Linux and MacOS |

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| PROFESSIONAL EXPERIENCE |  |
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| **MR. COOPER – DALLAS, TX**  **FULLSTACK SOFTWARE ENGINEER** | **JAN 2018 – Current** |

* Responsible for **React** UI and architecture. Building components library, including Tree, Slide-View, and Table Grid.
* Responsible for Building applications using **React.js** which allowed us to render pages on both the client and server using the same codebase.
* Implemented **React.js** code to handle cross browser compatibility issues in Mozella, IE 7, 8, 9, Safari and FF. Used **Babel** plug-in tool for conversion of **ECMA versions** to support all type of browsers.
* Developed the flux pattern by using **Redux** framework as a core dependency.
* Integrated **Redux** data store allowing React components to have access to data resulting in highly maintainable code.
* Used **React-Router** to turn application into Single Page Application.
* Used Java-J2EE patterns like **Model View Controller (MVC), Business Delegate, Data Transfer Objects, Data Access Objects**, factory patterns.
* Designed and developed the End Points (Controllers), Business Layer, DAO Layer **using Hibernate** and **Spring IOC (Dependency Injection)**.
* Developed responsive web pages using **HTML5, CSS3, JavaScript, Bootstrap, Typescript, jQuery, and Node JS.**
* Built backend API’s with NodeJS and implemented module into Nodejs to integrate with design and requirements.
* Extensively used **MVC, Factory, Delegate** and **Singleton design patterns**.
* Developed **micro services** architecture using Rest APIs, **spring boot** and **pivotal cloud foundry.**
* Developed **REST Web Services** clients to consume those Web Services as well other enterprise-wide Web Services.
* Used **Hibernate** framework for back end development and **Spring DI** for middle layer development.
* Used **Spring MVC Transaction Management and Hibernate cache** concepts.
* Modified the **Spring Controllers and Services** classes to support the introduction of spring framework.
* Developed **Spring JPA** Repositories for querying and data mapping with data from both **IBM DB2** and **MS SQLSERVER** databases.
* Creating Docker containers leveraging existing Linux Containers and AMI's in addition to creating Docker containers from scratch and developing **Docker** images to support Development, Testing Teams and their pipelines, distributed **Jenkins**, **Selenium** and **JMeter images**, and **Elasticsearch, Kibana** and **Log stash**.
* Installed **Pivotal Cloud Foundry (PCF)** on EC2 to manage the containers created by **PCF.**
* Used **Docker** to provide virtualize deployment containers and push the code to **EC2** cloud using **PCF.**
* Execution of **SQL queries** to extract data from **DB2** tables for running test scripts using **Squirrel SQL** client.
* Experience in working with big data platform with a combination of **Hive MQ, Cassandra** and **Spark.**
* Worked with high volume and complex **PL/SQL stored procedures** and **packages** using **TOAD**.
* Experience in data structure design, Data Modeling in **Cassandra**.
* Developed **JUnit, Chai, Mocha and Gulp** test cases for unit, integration, and functional tests.
* Ran Log aggregations, website Activity tracking and commit log for distributed system using **Apache Kafka.**
* Used **Log4j** to print logging, debugging, warning and info on server console. Debugged the **MAVEN** scripts for building entire web application.
* Implemented **Cucumber** for behavioral testing of application.
* Developed reusable UI components using **ES6**, Handlebars and **Webpack.**

**Environment:** React, Node, Babel, Redux, Bootstrap, Docker, Jenkins, Pivotal Cloud Foundry (PCF), Docker, Cassandra, NoSQL, JUnit, Chai, Mocha, Gulp, Spring Boot, Spring MVC, Hibernate, Apache Kafka, Log4j, MAVEN, Cucumber, Webpack, Babel.

### HEARTLAND PAYMENT SYSTEMS - TROY, MI FEB 2016 – DEC 2017 FULLSTACK SOFTWARE ENGINEER – FULL STACK

* Involved in Analysis, Design, and Implementation of software applications using **Java 8, J2EE, XML** and **XSLT** and Web Services (**REST**, **WSDL**).
* Responsible for the overall layout design, color scheme of the web site using **HTML5**, **XHTML** and **CSS3** and Responsible for creating detailed wire frames and process flows.
* Developed application using **JSP, JSTL** and **AJAX** on the presentation layer, the business layer is built using spring and the persistent layer uses **Hibernate.**
* Used **spring** as middle tier application framework, persistence strategy using **spring** support for Hibernate and declarative transaction management.
* Implemented **Micro Services** architecture using **Spring Boot** for making application smaller and independent.
* Implemented the back-end services using **Spring Boot.**
* Involved in designing and developing the front end of the application using **JSP**, **Java** **script**, **AJAX**, **HTML5**, **DHTML**, **CSS3**.
* Developed multiple **POCs** to create an interface with routing, forms and integrating **Restful API’s** using **Angular.**
* Used **Angular 2** custom pipes to format the data before displaying it to the user. And designed dynamic client-side JavaScript code to build web forms and simulate process for a web application, page navigation using **Angular.**
* Used **Java Mailing or Messaging Service (JMS) API**’s for mailing detailed notifications depending upon the success and failure once the backend process is complete and for mailing administrator of any system related problems.
* The presentation layer used **Spring MVC** to implement the **MVC** architecture design and facilitates user interface designed by use of JSP's and tag libraries.
* Used **Spring Framework** for Dependency Injection and integrated it with the **Hibernate.**
* Implemented Java Message Services (**JMS**) using **JMS** **API**.
* Used **Java Messaging Services (JMS)** for reliable and asynchronous exchange of important information such as payment status report.
* Involved in the development of the **UI** using **JSP, HTML5, CSS3, JavaScript, and Angular.js.**
* Developed the web layer using **Spring MVC** framework.
* Used the concepts of **Multithreading** and **Collections** Framework. Used **Multithreading** and Concurrency and implemented threads while preparing and generating mails.
* Worked on creating responsive website for smart devices using **Responsive design.**
* Used Web Services like SOAP protocol in **JAXWS and RESTFUL web services.**
* Developed and deployed **EJBs** into **BEA WebLogic** application server.
* Unit testing was performed using JUnit and Version control through **Git.**
* Involved in Unit testing of application using **JUnit** and built the package using **Maven** and deployed the application on to **WebLogic App Server.**
* Used **agile** methodology for the software development.
* Performed a thorough unit testing and resolved several data related issues before migration to production.

**Environment:** Java 8, spring, Spring Boot, Hibernate, JSP, MVC, HTML5, CSS3, Angular.js, Responsive Web Design, JavaScript, AJAX, JDBC, JSTL, jQuery, JMS, XML, SOAP, WebLogic, agile, SQL and Windows.

### NORTHWESTERN MUTUAL – MILWAUKEE, WI JUNE 2014 – FEB 2016 FULLSTACK SOFTWARE ENGINEER

* Involved Followed **AGILE** Methodology and participated in **SCRUM** Meetings.
* Designing and developing user interfaces using JSPs, **AJAX** and **jQuery**.
* Understanding functional specifications and documenting technical design documents.
* Maintained **CSS** and **HTML**, **JavaScript**, **Angular** **JS**, **Bootstrap** for designing Webpages.
* Involved in client installation and supported change requests and enhancement.
* Implemented **MVC** architecture by using Spring framework, **Hibernate** in terms of **JSPs** and **Servlets**.
* Created and modified **SQL** Queries whenever required for change requests.
* Managed **Spring Core** for dependency injection/Inversion of control (**IOC**), and integrated with Hibernate.
* Implemented **REST** and **SOAP** web services.
* Implemented Stored Procedures and triggers using **PL**/**SQL** to calculate and updated the tables in **Oracle** database to implement business logic.
* Implemented the Project structure based on **Spring** **MVC** pattern using spring boot.
* Implemented Micro services-based Cloud Architecture on AWS platform.
* Used **XSL/XSLT** for transforming common **XML** format into internal XML format.
* Integrate the different parts of the application and test.
* Used **GIT** for version controlling, **JUnit** for unit testing and **Log4j** for writing the log files.
* Application deployment suite to deploy in Tomcat.

**Environment:** Java, Hibernate, Spring, Spring MVC, JSPs, AJAX, jQuery CSS, HTML, XML, JavaScript, Angular JS, Angular 2, Rest and SOAP Web services, Oracle, PL/SQL, AWS, Tomcat, Log4j, GIT, JUnit.