**CHARAN B**

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**SUMMARY**

JAVA/J2EE Developer with over 7 years of software development experience in web based, multi-tier enterprise and interactive applications. Proven background of working with teams in stressful, deadline-oriented environments . Efficient team member with excellent work/time management skills, excellent leadership, communication and interpersonal skills and ability to work under strict deadlines . Experience and expertise includes:

* Various phases of the software development life cycle with Analysis, Design, Development, Integration, Testing, Implementation and Maintenance
* Java and J2EE technologies like Servlets, JSP, Struts, Hibernate, JPA, EJB, Spring, Spring Boot, RESTful Services, JMS, SAX/DOM, XML, SOAP, WSDL, HTML, JavaScript, JQuery, AJAX, JUnit, MVC architecture, JSF, Java Beans and JSON
* Core Java technology including Multithreading, JDBC, RMI and Network programming
* Experienced in AWS Cloud platform and its features which includes Amazon AWS Cloud Administration which includes services like: EC2, S3, EBS, VPC, ELB, AMI, RDS, IAM
* Dashboard UI development using JavaScript libraries JavaScript, HTML, XML, CSS, JavaScript, JQuery and AngularJS
* RDBMS using SQL, Oracle, MySQL, NoSQL and DB2 and Big Data concepts in Hadoop, Map Reduce
* Using IDE’s Eclipse, WebLogic Workspace, SQL Developer and Toad
* Web and application servers like Apache Tomcat, IBM WebSphere Portal, WebSphere Application, WebLogic and JBoss
* Version control tools like Subversion, CVS and Git
* Identifying and addressing the potential performance bottlenecks, memory bottlenecks of the application using tools like Http Analyzer, JProbe, Eclipse Memory Analyzer (MAT), and SQL Optimizer
* Working with caching mechanisms such as Gemfire and EHCache
* Analyzing and translating business requirements to technical designs and architecture
* Extreme Programming using Agile methodology with iterative and incremental software development
* Good knowledge on JFace, SWT frameworks and developing Rich Client Platform (RCP) Applications
* Developing JUnit Test Cases and capturing Defects
* Strong Testing experience during different stages such as Unit testing, Integration testing and System testing
* Working in a complex, multi-vendor, geographically diverse environment
* Working in a global team and with offsite onshore model

**TECHNICAL SKILLS**

* **Programming Languages:** Java, C, C++, UNIX, Shell Scripting, SQL
* **J2EE components:** JSP, Servlets, Java Beans, JPA, JDBC, JSON, JMS, JAX-RS, JAX-WS, Java Mail
* **Frameworks:** Hibernate, Struts,Spring (MVC, IOC, AOP, ORM), SpringBoot, JUnit, Web Services, SOAP, SOA and RESTful
* **Web Technologies:** HTML, XML, JavaScript, JQuery, CSS, Bootstrap, AngularJS
* **Design Patterns:** Gang of Four (GOF), Singleton, Factory, Façade, Command, Strategy
* **App Servers/ Middleware:** Apache Tomcat, IBM WebSphere Portal, IBM WebSphere Application, JBoss, WebLogic
* **IDE/Build Tools:** Eclipse, NetBeans, Android Studio, SQL Developer, Toad, Jenkins
* **Databases:** Oracle, IBM DB2, NoSQL, MySQL
* **Operating Systems:** Windows, UNIX, Linux, iOS

**EXPERIENCE**

**AT&T, Richardson, TX Jan 2016 to Present**

**Java/J2EE Developer**

**Project: Online Customer Support System -** AT&T offers business to business online sales to their customers. Mostly IRU, CRU and TCM customers will use this application from their official website. Telecom Managers (TCM) are parties within an organization who operate, manage or control wireless program elements for a group of employees, a division, or an entire enterprise. Corporate Responsible Users (CRU) are employees who acquire/maintain AT&T equipment and service for which the company is financially responsible. Individual Responsible Users (IRU) are employees of companies who can purchase AT&T services at a discounted rate based on the contract negotiated between AT&T and the company. All these users will do same kind of operations like selecting devices, plans, accessories, payment and finally billing and shipping.

**Responsibilities:**

* Involved in extensive development of user interface and backend REST web service in Spring MVCframework
* Developed **RESTful** micro web services using **JAX-RS** to allow communication between the applications using REST Web service
* Used **Spring Boot** Framework **MVC** for writing Controller, Validations and View
* Implemented business logic using POJO's and used **Docker** for **Continuous Integration** and **Continuous Deployment** (**CI CD**) of the applications
* Used Spring framework for dependency injection, transaction management
* Used **AWS** for cloud services platform, content delivery and database storage
* Used **AWS** to build Java applications that work with Amazon **S3**, Amazon **EC2**, and more
* Wrote **Hibernate** classes, DAO's to retrieve & store data, configured hibernate files
* Developed Service layer interfaces by applying business rules to interact with **DAO** layer for transactions
* Implemented secure authentication with LDAP **OAuth2** for generating tokens in the application using **Spring Security**
* Used **Java Persistence API** (**JPA**) through Hibernate and used Spring with ORM to integrate Spring framework with Hibernate and JPA
* Developed interactive UI using **HTML**, **CSS** and **Bootstrap**
* Created responsive rich client using **AngularJS**, **JQuery** and **AJAX** to pull the data from database
* **Apache Camel** is used for generating routes for portal **MicroServices** where employees can login and admins can manage employees
* Apache Camel's AWS component is used to upload documents to Amazon S3
* Participated in the code reviews, testing of the functionalities that are developed with **Junit** testing of DAO

**Environment:** JAVA, J2EE, Spring MVC, RESTful Web Service, Spring Boot, JAX-RS, AWS, EC2, S3, Docker, MicroServices, Servlets, XML, JUnit, HTML, JQuery, AJAX, AngularJS, Eclipse

**Nationwide Insurance, Columbus, Ohio Oct 2014 to Dec 2015**

**Java Developer**

**Project: Auto Insurance Application** - This project involved the development of a Web based application where customers can access complete account information, view the status of the insurance claims and manage policies and profile. The customer has the benefit of online renewals and payment uploads.

**Responsibilities:**

* Used **Spring MVC** Framework to develop this application
* Used inheritance and method overloading, overriding to implement polymorphism
* Handled different exceptions by Java exception handling facility
* Designed the start page layout with the new UI’s in **JSP**s as per the project requirements using **Java Beans**
* Defined various object dependencies using **Spring DI** module
* Implemented Spring MVC architecture by separating the business logic from the presentation
* Implemented logging aspect using **Spring AOP** concepts
* Implemented various design patterns like **Factory**, **Singleton, Command** and **Strategy**
* Implemented **Hibernate** (JPA) database persistence layer to communicate with Oracle
* Used **Hibernate DAO** Support to integrate Hibernate with Spring to access database
* Involved in Migrating an existing on-premises application to **AWS**
* Used AWS to deploy the project on **EC2** instance
* Designed and implemented front end web pages using **CSS**, **HTML**, **JavaScript**, **JSP**, **JSF**, **XHTML** and **JSTL**
* Worked with the team in implementing the drag and drop functionality using **JQuery**
* Monitored error logs using **Log4j** and fixed the problems
* Worked on **JUnit** Framework for Test Driven Development

**Environment:** Java8, JSP, JPA, Servlet, Spring, Hibernate, XML, JMX, JSF, HTML, CSS, AWS, EC2, Eclipse, SOAP Web service, JUnit, Log4j

**Abirami Banking Services Pvt. Ltd, Chennai, India Feb 2012 to May 2014**

**Java Developer**

**Project: Credit and Risk Management System** - CRM is a system used for processing business credit applications (Credit Proposals), analysis of business financial statements and the management of business relationships. It provides a high degree of automation and standardization to these processes, minimizes clerical effort, improves accuracy and provides the flexibility to support the simplest to the most complex business customers. It also allows for related correspondence documents to be prepared and maintained.

**Responsibilities:**

* Back end coding and development using Java Collections including Set, List, Map, Multithreading, Servlet, Action, Action Forms, Java Beans and Exception Handling etc.
* Used **JavaScript** for client-side validations and created UI with **HTML**, **CSS** & **JQuery** with **AngularJS**
* Used **Spring MVC** Framework and Achieved Dependency Injection using **Spring IOC** and was also involved in a development.
* Developed the Spring Features like **Spring DAO**, **Spring Batch**, and **Spring Security**
* Developed DAOs (Data Access Object) using **Hibernate** as ORM to interact with DBMS **Oracle 10g** and **DB2** database to access account information
* Used **Gemfire** cache for loading data in to local cache server
* Used Spring beans for retrieving Gemfire cache
* Involved in accessing information from the **Git** repository using **SQL**
* Designed the JBPM process for the client activities in order to manage the people queue for each activity
* Developed new business workflows using the Java Business Process Management (**JBPM**) tool. Workflows are created to send requests to different service groups for approval, whenever new service requests or complaints are raised
* Design Patterns like **Facade**, **Singleton** and **Factory Pattern** were used
* Implemented test cases using **JUnit**
* Used **Maven** as the build tool, **Jenkins** for Continuous Integration and **JIRA** as a defect tracking tool

**Environment:** Core Java, J2EE, Oracle 10g, DB2, Servlet, Tomcat, REST Web Services, Spring, Hibernate, Eclipse, Maven, JUnit, JQuery, AngularJS, Git, Jenkins, Gemfire, Event Driven Architecture

**SnapDeal, New Delhi, India Oct 2011 to Jan 2012**

**Java Developer**

**Project: Online Photographs** - The SnapDeal provides the view, upload and purchase of photographs online. There are four kinds of users like admin, user who has rights of all controls, company users who can purchase the photographs, photographers who can upload their photographs and the general users for this system. There are different options available like for searching the photographs, search by keyword, search by category and a mailing option. After purchasing the photographs one can do payment in two ways.

**Responsibilities:**

* Involved in design, development, Object Oriented Analysis and testing the application
* Developed Action Servlet, Action Form, Action Class, Java Beans classes using **Struts** Framework
* Designed, developed and maintained the data layer using **Hibernate** framework
* Configured connection pools for the database and interacted with the database by configuring the data source in hibernate configuration file
* Used **XML** for the data exchange and used **DOM** parser to extract and read the required information from the XML
* Implemented the Model part of **MVC** architecture by developing Hibernate value objects to map the database tables and configured them in mapping XML files
* Configured **JMS** in Rational Application Developer (**RAD**)
* Used **Log4j** logging framework
* Used **JavaScript** for client side validations in the **JSP** and **HTML** pages
* Performed unit testing, system testing and integration testing

**Environment:** Java, JSP, Servlet, Struts, SQL, JMS, IBM WebSphere Portal Server, IBM WebSphere Application Server, XML, HTML, CSS, RAD, Subversion

**Gati Ltd, Hyderabad, India July 2009 to Aug 2011**

**Jr. Java Developer**

**Project:** The project involves development of web based application which is used by the employees in entering the travel requisition details and tour reports. They use this application for capturing and tracking their travel requests. Depending on the employee hierarchy, requests will be routed to respective managers. Travel requests have to be approved by all levels before it is fulfilled.

**Responsibilities:**

* Used **Web Logic server** for deploying the application
* Involved in analysis and design of the application and in preparing the detailed design document for the project
* Involved in developing **JSP** forms
* Designed and developed web pages using **HTML** and **JSP**
* Designed various applets using **JBuilder**
* Designed and developed **Servlets** to communicate between presentation and business layer
* Used **EJB** as a middleware in developing a three-tier distributed application
* Developed **Session Beans** and **Entity beans** to business and data process
* Used **JMS** in the project for sending and receiving the messages on the queue
* Used **JDBC** for database connectivity with **MySQL**
* Used **CVS** for version control
* Involved in unit testing using **Junit**

**Environment:** Core Java, J2EE, JSP, Servlets, XML, EJB, JDBC, JBuilder, JBoss, MySQL, JavaScript, JMS, HTML, CSS, CVS

**EDUCATION**

**Jawaharlal Nehru Technological University**

Bachelors in Electronics and Communication Engineering