**Chaitra Vemula**

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**Professional Summary:**

* Over 8 **years** of experience in developing web applications and enterprise-level applications
* Expert in all stages of transforming the business requirements into a sophisticated system
* Expertise in developing web pages using **HTML5, CSS3, Bootstrap, JavaScript, jQuery, Ajax, React, Angular** with webpage cross-browser compatibility, and **responsive web design** and have experienced in Server scripting language like **Node JS.**
* Good hands-on experience in developing single-page applications using **React JS** and **Angular.**
* Worked on various features in **ECMAScript 6 (ES6)** such as Arrow functions, Classes, and enhanced object literals.
* Developed web application using **web MVC** architecture for real-time projects.
* Utilized Java 8 features like **Lambda expressions** and **Stream API** for Bulk data operations on Collections which would increase the performance of the Application.
* Experienced in developing web-based applications using **Java/J2EE, Servlets, Struts (Struts, Tag Libraries, and Struts custom validation rules, Tiles), Spring IOC, Spring MVC, Spring AOP, Spring Security, Spring Boot, Spring Cloud, Spring Web Flow, Spring Data, JDBC, Web Services (SOAP & Restful services) and ORM frameworks like Hibernate.**
* Excellent in developing REST and SOAP-based Web Services using **JAX-RS, JAX-WS, WSDL, JAX-B, Apache Axis, and Jersey frameworks.**
* Experienced in the implementation of **JMS** to exchange information over the reliable channel in an asynchronous way by using **Active MQ, Rabbit MQ, Kafka** as a message queue.
* Experience using Hibernate for mapping Java classes with database and using Criteria API and **Hibernate Query Language (HQL).**
* Good Knowledge of **Data Access Object (DAO)** pattern to introduce an abstraction layer between the **Business logic tier (Business object)** and the **Persistent storage tier (data source).**
* Worked with SQL databases like **Oracle, My SQL, IBM DB2,** and Hands-on Experience in working with NoSQL databases like **MongoDB, Cassandra** to manage extremely large data sets.
* Proficient in writing **SQL queries, PL/SQL stored procedures, Triggers, and creating business tables.**
* Experience in developing and deploying applications on Cloud Platforms like **Amazon Web Services.**
* Managed Amazon Web Services like **EC2, S3 bucket, ELB, Auto-Scaling, SNS, SQS, AMI, IAM, Dynamo DB, Elastic search, Virtual Private Cloud (VPC) through AWS Console and API Integration.**
* Excellent in deploying the applications in AWS as **EC2 instances** and create snapshots for the data that had to be stored in AWS**S3**.
* Defined AWS Security Groups which acted as **virtual firewalls** that controlled the traffic allowed reaching one or more EC2 instances.
* Portable deployment of applications as a **single object using Docker.**
* Implemented a Continuous Delivery pipeline with **Docker, Jenkins, and GitHub and AWS AMI's.**
* Hands-on experience in working with **Junit, Mockito, Selenium, TestNG**.
* Experienced with deploying applications on to production servers, configuring various parameters of servers like **Apache Tomcat, JBOSS, BEA Web logic, IBM Web Sphere**.
* Used version controller tools like **Tortoise** Subversion **(SVN), CVS, and Git**.
* Experience in working with IDE'S like **Eclipse, Spring Tool Suite (STS), RAD, and Intellij**.
* Have extensive experience working on **Windows, Linux, and Unix Operating Systems**.
* Proficient in log management using **log4J** framework and **Splunk.**
* Possessing very good communication and analytical skills and can work independently as well as in a team environment.

**Technical Skills:**

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| Programming Languages | Java, J2EE, PL/SQL |
| Web  | HTML5, CSS3, Java Script, jQuery, Bootstrap, AJAX, Node.js, Express, ReactJS, Angular, React MDL |
| Databases | MySQL, Mongo DB, Oracle 11g, Back4App, SQL Server |
| Tools | NetBeans, Eclipse, Android Studio, Visual Studio Code, WinSCP, Putty, Git, Tableau, STS, Atom, Microsoft Project Management, Trello, gulp |
| Application Servers | Apache Tomcat, WebSphere, JBoss |
| Web Services | REST, SOAP |
| Frameworks | Spring MVC, Spring Boot, Spring Cloud, Struts, Hibernate, AngularJS, Angular2, ReactJS |
| Build Tools | Maven, Gradle |
| Scripting Languages | TypeScript, ES6 |

**Sr. Java/Full Stack Developer Sep 2018 – Present**

**SiriusXM - Irving**, **TX**

**Responsibilities:**

* Followed an extremely light and efficient **Agile Scrum** Methodology for project development.
* Participated in **sprint** plans, code reviews, and daily stand-ups. Continuous coordination with the team during different phases of application development.
* Developed User interfaces and prototypes for web-based internal system using **ReactJS**, **Angular, HTML5**, **CSS3**, **Typescript, JavaScript**, **jQuery**, **AJAX** and **Bootstrap**.
* The **Restful web services** have been used to retrieve and update the data using Ajax.
* Used **Spring Batch** for scheduling and maintenance of batch jobs.
* Implemented pre-authentication and database security using **Spring security** and securing application access and **Spring Batch** for scheduling and maintenance of batch jobs.
* Designed and developed various **Angular4Components**, **Services**, **Directives**, and **Pipes**.
* Used **Angular4 RouterModule** for implementing routing, imperative **routing**, and **Guards**.
* Used **Angular4 HTTPModule** to make **API calls** and worked with the **observables**.
* Worked on migrating **Angular** old forms to Final New forms and performed validations using **Angular 5 Form module**.
* With the concept of **ReactJs** Worked on usage metrics and also end to end events tracing for analysis purposes.
* Responsible for checking cross-browser compatibility and hence worked on different browsers like Safari, Opera, Firefox, Google Chrome, and Internet Explorer.
* Good experience in creating components documentation using react.js.
* Used React flux to polish the data and for single directional flow.
* Took initiative in learning to react native and went on to successfully develop various features under minimal supervision.
* Hands-on experience in creating components using React.js.
* Worked on **React JS Virtual Dom**and **React views**, rendering using components that contain additional components called custom**HTML tags**.
* Created **REST-Controllers** with respect to **RESTful** standards in **SpringMVC** to connect model with view.
* Developed **spring boot** and **spring cloud**-based cloud-native microservices to be deployed into **AWS**. Microservices will co-exist with a monolithic application built with **Spring MVC** deployed to WebSphere**.**
* Developed upon **Angular4 Services** that interacts with the **RESTful** services at the backend.
* Created/managed **MongoDB**/No SQL collections and handled **CRUD** operations on using Java libraries/**APIs**.
* Tested **RESTAPIs** in the **Spring**-**Controller** at the backend for **JSON** data using **Postman**.
* Composed and executed **MongoDB** scripts to insert and update **the NoSQL** database; automating data changes and reporting.
* Designed various tables required for the project in **MySQL database** and involved in coding the **SQL Queries, Stored Procedures, and Triggers in the application.**
* Written application properties to add various properties to application such as Cassandra, Oracle contact points or other file locations in the repository.
* Responsible for the build-out, day-to-day managing, and supporting Cassandra clusters.
* Configure backup, alerts, repairs, and monitoring of Cassandra clusters using Opscenter.
* Responsible for the design and maintenance of the **GIT** repositories, views, and access control strategies.
* Used **Mockito** and **JUnit** for unit testing of the application.
* Hands-on experience in using message brokers such as **ActiveMQ**and **RabbitMQ.**
* **Implemented the function to send and receive AMQP messages on RabbitMQ synchronously and asynchronously, and send JMS message to Apache ActiveMQ on the edge device.**
* Used **Jenkins** for continuous integration in which all development work is integrated and involved in deploying the application.
* Responsible for building components to connect to other micro-services using **Kafka** and Integrated **Kafka** source to read the payment confirmation messages.
* Developed **angular unit tests** for testing angular components using **Jasmine** and **Karma**.
* Used **Maven** for build and deployment, **Jenkins** for continuous integration, and **log4j** for logging.
* Used **SpringBoot** at the backend for easy application development including plugins, jobs, server configuration, etc.
* Developed test cases using **TDD** (Test Driven Development) approach.
* Involved in writing the test scenarios, developed feature files using **Cucumber** annotations.
* Part of a response team that worked on Production issues while the application is **deployed** to Production.
* Implemented and maintained monitoring and alerting of production and corporate servers such as **EC2 and storage such as S3 buckets using AWS Cloud Watch.**
* Implemented **AWS IAM** for managing the credentials of applications that run on **EC2 instances**.
* Microservices have been built using **spring boot**, **spring security** and deployed to AWS cloud
* Experience in automated deployment of **EC2 instances** in data centers and availability zones.
* Hosted and tested the application in **AWS servers** before publishing it in the actual production environment.
* Used **JIRA** to handle development issues, **GIT** for version control, **Eclipse** IDE for development, and **Tomcat** server for application deployment.

**Environment:** HTML5, CSS3, Angular 2, ReactJs**,** Golang, Typescript, JavaScript, jQuery, Bootstrap, Ajax, MongoDB, JSON, Git, Restful API, Spring, JPA, Spring boot, Mockito, JUnit, Jasmine, Karma, log4j, Agile, Maven, Jenkins, JIRA, Eclipse.

**United Airlines - Chicago, IL May 2016 – Aug 2018**

**Position: Java Developer**

**Responsibilities:**

* Followed agile methodology and involved in daily **SCRUM meetings, sprint planning,** showcases, and retrospective and used **JIRA** as a tracking tool for the sprints.
* Designed the front-end screens using **AngularJS, HTML5, CSS3, JavaScript, jQuery, Bootstrap, and Spring Boot**.
* Worked on Micro Services to create modular components with lightweight to deploy using various protocols.
* Involved in enhancing existing **MEAN** (MongoDB, Express, Angular, and Node) stack applications and provided the required support.
* Developed Angular controllers, services, filters, and developed HTML templates with various Angular directives such as **ng-app, ng-controller, ng-repeat, ng-if, ng-show, ng-hide, ng-change, ng-blur, etc.**
* Used various Angular UI Bootstrap components such as **calendars, masks, uploaders, sliders, alerts, modal dialogs, etc. for developing the UI.**
* Used Node.js to run Grunt tasks and build properly the project (compile, minify, concat, etc.) and Implement modules into Node JS to integrate with designs and requirements. Used **GruntJS, BowerJS, ExpressJS from NodeJS.**
* Developed **unit test cases** using **Jasmine and Karma** and performed end to end testing using **Protractor** and **Selenium**.
* Developed **Angular services** making use of resource service to perform REST API calls to the backend.
* Used React-Router to turn the application into **Single Page Application.**
* Worked in using **React JS components, Forms, Events, Keys, Router, Animations, and Flux concept**.
* Implemented the **Drag** and **Drop functionality** using **React-Draggable.**
* Used **React-Autocomplete** for creating google maps location search on the webpage.
* Implemented Kafka producer and consumer applications on the Kafka cluster setup with the help of Zookeeper.
* Used **Spring** **Kafka** API calls to process the messages smoothly on the Kafka Cluster setup.
* Implemented **Microservices architecture using Spring BOOT** enabled REST API with the Spring Cloud modules.
* Worked on the Integration of **Microservices** deployment patterns with the PAAS platform on top of AWS and Integrating with the **Config server and ZUUL proxy.**
* Involved in data modeling the tables in **Cassandra**.
* Involved in implementing different **data modeling** techniques in Cassandra.
* Involved in applying securities to the application using Protocols such as Https, Layer 7, Integrated Layers, and Encryption Mechanism.
* Developed **REST exception handling controller** advice to respond to bad requests and server-side exceptions.
* Used a complete annotation-driven approach to develop the application using **Spring Boot** and was involved in setting up the **Spring bean profiling.**
* Used **Hibernate** in the persistence layer and implemented DAO's to access data from the database.
* Involved in configuration and usage of Apache **Log4J** for logging and debugging purposes.
* Extensive knowledge on **AWS EC2, Amazon S3, Amazon Elastic Load balancing**, and other parts of AWS infrastructure.
* Worked on **AWS multi-factor authentication (MFA)** related to security groups including rest security.
* Configured and tuned the **AWS EC2 and worked on ELB, Route53** for high availability.
* Worked on **Angular JS and Node JS** to enhance front end functionalities as per business requirements.
* Developed **reporting dashboards**, which processes a large amount of data that are stored in Elastic Search and My SQL platforms and generates reports and displays in dashboards.
* Identified and **created indexes, mappings,** and **data** in Elastic search and used Elastic Search **REST API's** both single and multi-document API's. API's like Index, Multi Get, Bulk, etc.
* Used various aggregations like **Metrics, Average aggregations** in Elastic Search.

**Environment**: AngularJS, HTML5, CSS3, JavaScript, Micro Services, Dynamo DB, Unix, jQuery, Bootstrap, GruntJS, BowerJS, NodeJS, Apache Log4J, AWS, Docker, JIRA, My SQL, REST.

**Signature Bank: NYC, NY Jan 2014 – April 2016**

**Java Developer**

**Responsibilities:**

* Involved in all phases of the Software development life cycle (SDLC) using **Agile Methodology.**
* Used **Spring MVC and Dependency Injection** for handling presentation and business logic.
* To maintain loose coupling between layers published the business layer as services and injected necessary dependent components using **Spring IOC and published cross-cutting concerns like Logging, User Interface exceptions, Transactions using Spring AOP**.
* Integrated **Spring DAO** for data access using Hibernate.
* Used **Spring Security for Authentication and Authorization** of the application.
* Extensively used **JSON** to parse the data from the server side to satisfy the business requirement.
* Consumed **Web Services** to interact with other external interfaces to exchange the data in different forms by using Restful service.
* Implemented SOA architecture with Web Services using **SOAP, WSDL, and XML using Apache CXF**.
* Developed User Interface using **JSP, JSTL, HTML, CSS, JavaScript, jQuery and Angular JS.**
* Used various **jQuery UI** controls and corresponding Event handlers.
* Implemented a persistence framework using **Hibernate & Handled Transaction Management** using the provided data source.
* Responsible for designing **Hibernate mapping files** based on business logic and Object relationships.
* Integrated **Spring and Hibernate together** and worked on developing backend components and services using Hibernate and spring.
* Established Database Connectivity using **JDBC, Hibernate O/R mapping with Spring ORM for DB2**.
* Worked on Hibernate in Data Access Layer for mapping the java objects to a relational database and SQL queries to fetch the data, insert and update the data from the database.
* Framework and worked on parsing the XML files using **DOM/SAX parsers.**
* **Created tables, triggers, PL/SQL Stored Procedures, SQL queries, Joins, and views for IBM DB2**.
* Implemented **Restful and SOAP**-based Web Services and used Soap UI for testing.
* Used **Spring JMS** module for lookup for the queues and MDBs for the listeners.
* Involved in Unit Testing of various modules by generating the Test Cases.
* Performed deployment of applications on **JBOSS.**
* Written **LINUX shell scripts** to identify user login information.
* Involved in day to day handling of **JIRA** issues (production issues at the time) that involved data inconsistencies that required to be solved in very less time.
* Involved in **Bug fixing** of various modules that were raised by the testing teams in the application during the Integration testing phase.
* Participated in Code Reviews of other **modules, documents, test cases.**

**Environment**: Java, J2EE, HTML, CSS, JavaScript, jQuery, Angular JS, JSP, JSTL, Spring, Hibernate, XML, XSD, SOAP UI, Web Services, Restful, SOAP, WSDL, Log4j, JUnit, DB2, JBOSS, Jenkins, SVN, Eclipse IDE, JIRA, Agile Methodology, Linux, Rational Rose, and UML.

**XtracIT Hyderabad, IN Feb 2012 – Dec 2013**

**Junior Java Developer**

**Responsibilities:**

Involved in the implementation of design using vital phases of the **Software development life cycle (SDLC)** that includes Development, Testing, Implementation, and Maintenance Support in WATERFALL methodology. Involved in component development using J2EE principles and used design patterns such as **Singleton, Factory, and Data Access Object (DAO)** in the implementation of the application.

* Responsible for designing, coding, and developed the application in **J2EE using Struts MVC.**
* Implemented **the Struts framework** (Action & Controller classes) for dispatching requests to appropriate classes.
* Used simple **Struts Validation** for validation of user input as per the business logic and initial data loading.
* Achieved synchronization of multiple threads through **Multithreading and Exception Handling.**
* Extensively used **JSON to parse the data** from the server side to satisfy the business requirement.
* Developed **Struts Action Forms, Action classes, and performed action mapping** using Struts.
* Developed **RESTful and SOAP-based Web Services** to consume and produce data in XML and JSON.
* Consumed Web Services to interact with other **external interfaces** to exchange the data in different forms by using Restful service.
* Created user-friendly GUI interface and Web pages using **JSP, HTML, CSS, AJAX, JavaScript, and jQuery.**
* **Established Database Connectivity using JDBC for MySQL.**
* Written **SQL queries, PL/SQL store procedures, and Triggers** to fetch and store data from the database.
* Used **Log4J** for application logging and notification tracking mechanisms.
* Developed the **ANT scripts** for preparing WAR files used to deploy J2EE components and deployment of the application was on **Jetty**.
* Prepared **JUnit test cases** and executed the test cases using **JUnit**.
* Involved in bug fixing during the System testing, Joint System testing, and User acceptance testing.
* Used **GIT** to check-in and check-out and co-ordinate among team members for Version Controlling.
* Used **NetBeans** IDE to integrate different frameworks to build applications.

**Environment**: Java, HTML, CSS, AJAX, jQuery, JavaScript, Struts, Web Services, SOAP, Restful, JSON, XML, JDBC, SQL, MySQL, ANT, NetBeans, JIRA, GIT, Jetty and UNIX.