CHANDRAKALA CHERUKURI

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**SUMMARY:**

* Full Stack Developer around 5 years of industrial and functional experience in developing enterprise level applications that provide rich user experience with solid understanding of Java J2EE – Spring, Hibernate application framework and web technologies like Angular 2X/4X, React Js, Java script
* Experience in all phases of Software Development Life Cycle (SDLC) which includes Analysis, Design, Development, Implement and Testing of web based, enterprise business applications using the JAVA/J2EEtechnologies
* Good knowledge on client-side JavaScript framework Angular 2.x/4.x with NGRX to achieve MVVM design flow
* Expertise in UI Design and Development using HTML5, CSS3 (SASS, LESS), Bootstrap and AJAX that follows W3C Web standards and successfully managing all facets of application development
* Experience in deploying and maintaining Micro Services based applications as Rest API using Spring Boot and Spring Cloud
* Implemented load-balancing with NGINX to allow dozens of Node JS instances to handle thousands of concurrent users.
* Developing scripts for build, deployment, maintenance, and related tasks using Jenkins, Docker, and Python.
* Worked on object-oriented programming (OOP) concepts using Python, Django, and Linux
* Worked on JAVA 8 features like Stream API, Time API, Functional Interfaces Multithreading, Transaction Management, Exception Handling, Collection API
* Worked with various frameworks in Spring such as Spring IOC, AOP, Spring transaction Management, Spring Data, Spring JDBC, Spring Batch, Spring JTA, Spring IO and Spring Security (Spring security, Site Minder)
* Have good knowledge on XML language like XSD, JAXB, JAXP, XSL/XSLT
* Proficient in leveraging Tableau to create visually appealing and interactive data visualizations, including charts, graphs, and dashboards, to present complex information.
* Experience in the handling message queues using JMS, Rabbit-MQ, Apache Kafka and Active-MQ
* Extensively worked on Web API, WCF and Web Services to provide SOA architecture and Configuration based activation applications on SOAP and REST protocols
* Experienced in configuring and deploying applications on different servers such as Apache Tomcat, Web logic, IBM WebSphere, JBoss.
* Building real-time dashboard applications for visualizing, analyzing and exploring data on Apache Web servers using Elastic Search and Splunk
* Experience in working with GraphQL queries and using Apollo GraphQ L library.
* Developing scripts for build, deployment, maintenance, and related tasks using Jenkins, Docker, and Python.
* Worked on object-oriented programming (OOP) concepts using Python, Django, and Linux.
* Proficient in setting up and configuring CI/CD pipelines using tools like Jenkins, GitLab CI/CD, or Azure DevOps, enabling automated builds, testing, and deployment of Java applications.
* Experience in writing services to store and retrieve user data from NoSQL database like MongoDB.
* Involved in CI/CD process using GIT, Jenkins job creation, Maven to build the application. Used CI/CD tools to quickly deploy into different environments and configuring the Kubernetes cluster into for the automating the deploying process.

## TECHNICAL SKILLS

**Programming Languages:** Java, C, C++, PL/SQL

**Enterprise Java:** JDBC, Servlets, JSP, JSF, Spring MVC, JPA, Hibernate

**Database Systems:** MySQL, PostgreSQL, Oracle (version -11g, 10g, 9i, 8i), SQL Server, MongoDB, Cassandra.

**Web Technologies / Web Services:** HTML, CSS, JavaScript, jQuery, Angular JS, Node JS, React JS, SOAP, RESTful

**IDE's:** Eclipse, IntelliJ Idea, NetBeans, Microsoft Visual Studio. .

 **ETL/DWH Tools:** Tableau Prep, Informatica Power Center.

 **Version Control:** SVN, Git, CVS, Bitbucket.

 **Build & Configuration Tools**: Maven, Gradle, Jenkins, NPM.

 **Testing Tools:** Junit, TestNG, Mockito, Jasmine, Karma.

 **Cloud Technologies& DevOps Tools**: AWS, EC2, EBS, S3, Docker, ECS, EBS, EKS, SQS, RDS, S3, Lambda.

**Frameworks:** Hibernate, Spring boot, AgileSDLC. **Operating Systems:** Windows, Linux, Mac.

**Project Management Tool:** JIRA, Rally.

**Other Tools:** Apache Kafka ,Splunk.

**PROFESSIONAL EXPERIENCE**

## Client: TeknXpert LLC, Charlotte, North Carolina

**Role: Full Stack Java Developer JULY 2021- Till Date**

**Project:** Working with the Matching Modern Synchronization team where we are going to settle up the trade transaction between the buyer and seller whenever we get a trade message we are going to validate that and search for the counterpart trade with some specific fields present in the trade message.

**Responsibilities:**

* Involved in Analysis, Design, Development, UAT and Production phases of the application.
* Designed application modules, base classes and utility classes using Core Java.
* Implemented the project as a multi-tier application using Spring boot & used core Spring concepts like AOP, IOC.
* Wrote spring configuration files for the beans defined and properties to be injected into them using spring's Dependency Injection.
* Coded various business process methods required for creation of Web Services related to customer information and provider information, using JAX-WS, SOAP, WSDL and JAX-RS, REST web services.
* Expertise in Core Java with strong understanding and working knowledge of Object-Oriented Concepts like Collections, Multi-Threading, Concurrency framework.
* Implemented Hibernate for data persistence and management.
* Integrated Spring with Hibernate as the data abstraction to interact with the databases.
* Implemented Singleton, Factory, DAO design Patterns based on the application requirements.
* Developed the Presentation layer using HTML 5, JavaScript, and used Angular JS based rich UI for improved customer experience.
* Used Maven build tool and deployed into Apache Tomcat 8.0 Server.
* Wrote Stored Procedures and queries in MySQL database.
* Designed and developed JUnit test cases during the development phase.
* Implemented the project using agile-scrum methodologies.
* Used GIT to check-in and check-out and co-ordinate among team members for Version Controlling.
* Used Intellij IDE to integrate different frameworks to build application.
* Collaborated with testers and developers and prepared test plans for producing high quality software applications.

## Environment: Java, HTML5, CSS3, jQuery, Spring IOC, Spring MVC, Spring Batch, Spring Security, Web Services, Drools (BCW) engine XML, XSD, SOAP, Restful, Log4j, SOA, Oracle, Apache Tomcat, Agile Methodology, JUnit, Maven, GIT, JIRA and IntelliJ.

## Client: University of Memphis, Memphis, TN

## Role: Java Developer August 2019 – May 2021

**Responsibilities:**

* This software manages information about the Employees, Students, Examinations and Accounting Information System.
* Developed web pages using JSP and Servlets.
* Use of OOPs concept and other core java concepts like multithreading/concurrency, inheritance etc in development.
* Creating GUI using HTML/HTML5, CSS/CSS3, JSP, java Script and jQuery.
* Designed signup and login pages using HTML and JavaScript and used Parse to save user information on the cloud.
* Created responsive and user-friendly UI components using HTML, CSS, and JavaScript frameworks like AngularJS.
* Utilized database technologies such as MySQL and MongoDB for efficient data storage and retrieval.
* Implemented automated unit tests and conducted thorough integration testing to ensure software quality.
* Implemented data persistence using relational databases like Oracle and PostgreSQL.
* Collaborated with UI/UX designers to ensure a seamless and visually appealing user experience.
* Conducted regular performance optimizations and troubleshooting to enhance application efficiency.
* Implemented and integrated third-party APIs for various functionalities, such as payment gateways and geolocation services.
* Developed back-end components using Java, Spring Framework, and Hibernate.
* Responsible for CURD operations to create tables in the database as per requirements.
* Involved in Testing of developed Servlets, JSP using Junit.

**Environment:** Java, HTML5, CSS3, jQuery, Spring IOC, Spring MVC, Spring Batch, Spring Security, Web Services, JBoss/WildFly, IBM WebSphere, Oracle WebLogic XML, XSD, SOAP, Restful, Log4j, SOA, Oracle, Apache Tomcat, Agile Methodology, JUnit, Maven, GIT, JIRA and IntelliJ.

##  Client: Data Point Solutions, India

##  Role: Java Developer, Data Point Solutions, India May 2018 – May 2019

 **Responsibilities:**

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* Worked on the development of enterprise-level Java applications, following industry best practices and coding standards.
* Developed highly interactive and customized UIs using JavaScript, HTML, JSP, and CSS to improve functionality of web applications.
* Collaborated with the team to analyze business requirements and translate them into technical specifications.
* Designed and developed RESTful APIs using Java and Spring Framework.
* Implemented front-end interfaces using JavaScript, HTML, and CSS, ensuring a seamless user experience.
* Integrated third-party libraries and APIs to enhance application functionality.
* Conducted unit testing and debugging of application modules to ensure quality and reliability.
* Assisted in the deployment and release of applications to production environments.
* Implemented Java concepts and developed single page applications (SPA).
* Implemented form validation techniques using JavaScript.
* Developed Action classes, Action Forms and Servlets using core java API.
* Established JDBC connections and built complex SQL queries to perform CRUD operations in database.
* Performed unit testing of applications by developing and applying test cases in JUnit.
* Rendered solid technical expertise in Software Development Life Cycle and involved in migration of code between development and testing environments.

## Environment: Java, HTML5, CSS3, jQuery, Spring IOC, Spring MVC, Spring Batch, Spring Security, Web Services, Drools(BCW) engine XML, XSD, SOAP, Restful, Log4j, SOA, Oracle, Apache Tomcat, Agile Methodology, JUnit, Maven, GIT, JIRA and Eclipse.

## PROJECTS

**Academic advising web application**

* This application is used to advise the students in registering courses for desired degree and certifications.
* Enhanced the existing GUI for flexible search options across different courses and credit systems.
* Designed a new help feature for new students to train on various features in application.
* Created a ticketing system using Java and Spring MVC, providing efficient tracking and management of students support requests.

## Online Shoppers Behavior Intention –R Language | Machine Learning.

* Predicted online purchasing pattern for a shopper’s website based on specific features.
* Generated graphs for data exploration of variables using ggplot.

 **Predicting Of Crimes in Chicago City – Machine Learning | Regression Analysis** |**Tableau**

# Examined and analyzed the data, and various models are built to predict the future occurrence of crimes in Chicago city and Created dashboards to understand data using Tableau.

## CERTIFICATIONS

* Certified Data Analytics for Management from University of Memphis.
* Certified Business Project Management from University of Memphis.
* Certified Google Analytics Individual Qualification by Google.
* Certified implant training APSSDC in association with SYNCHROSERVE, Singapore.

 **EDUCATION** Master’s in Information Science

 **Graduation Date:** May 2021

 The University of Memphis, Memphis, TN

 Bachelors in Computer Science

 **Graduation Date:** May 2019

 Jawaharlal Nehru Technological University, India.