**Sandeep Chava**

**Java/J2EE Full Stack Developer**

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**PROFESSIONAL SUMMARY:**

* Over 9 years of professional experience in design and development of Web and Windows applications using **Java**, **J2EE**, and advanced UI frameworks.
* Skilled in Object-Oriented Application Design and Programming.
* Skilled in building Microservices using **Spring Boot**, **Spring Cloud**.
* Proficient in the implementation and integration of modern Java design patterns including **Model-View-Controller** (MVC), **Data Access Object** (DAO), **Dependency Injection** (DI), and Builder patterns to create efficient, scalable, and maintainable software solutions.
* Extensive experience in programming with **core Java, J2EE, JEE, Servlets, Java Server Pages, JDBC and MVC Architecture**.
* Hands-on experience in developing applications using advanced technologies like **RESTful Web Service, Spring, Serialization and Object Relational Mapping (ORM)** tools like **Hibernate 4.x/5.x.**
* Experienced in developing Web Services using XML and JSON protocols with frameworks like SOAP, JAX-RS, and Spring-WS, and proficient in implementing service-oriented architecture (SOA) through both SOAP and RESTful methodologies.
* Rich experience in building client/server environments with technologies of Servlet**, Spring Cache, Spring Security, Spring Transaction Management.**
* Proficient in using Angular to build responsive, single-page applications (SPAs), leveraging its component-driven architecture, RxJS for asynchronous operations, and Angular Material for modern UI design.
* Skilled in TypeScript development, utilizing its static typing and advanced OOP features for robust and maintainable code, complemented by seamless integration with build tools like Webpack.
* Solid database connectivity skills which include **Oracle, DB2** and **MYSQL** and programming with **SQL, PL/SQL** and Stored Procedures, Triggers and Sequences, Functions and Cursors and Packages besides writing **DDL**, Transactional and **DML** queries with **SQL** developer development tool.
* Good working knowledge of **NoSQL Database, MongoDB, Cassandra**.
* Implemented the authentication and authorization of the application using **Spring Security** and **OAuth**.
* Work experience on application servers like **Web logic, Apache Tomcat web server** and**JBOSS.** Experience with Streaming platforms like Apache **Kafka**.
* Deployed Spring Boot based micro services Docker container using Amazon **EC2** container services and using **AWS** admin console.
* Worked on Build and deploy tools like **Jenkins, Maven and ANT**.
* Experience in **JUnit** framework with **Mockito** and **Easy mock, Spring Junit**.
* Experience in using various version management systems like **CVS, SVN and GIT**.
* Good Knowledge of using **IDE** Tools like **Eclipse, NetBeans, IntelliJ IDEA, Rational Application Developer (RAD)** for **Java/J2EE** application development.
* Proficient in **SDLC** methodologies, including Agile (SCRUM), Iterative, and Waterfall.

**TECHNICAL SKILLS:**

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| **Languages** | JAVA, UML, XML, SQL, PL/SQL |
| **Frameworks** | Spring 5.x/4.x/3.x, Hibernate 5.0/4, Struts 2.5/2.0. |
| **Web Technologies** | TypeScript, JavaScript, Node JS, React, Angular |
| **Mark up Languages** | HTML5, CSS3, DHTML, XHTML, XML, XSLT. |
| **Database** | Oracle, DB2, MongoDB, SQL Server, MySQL, NoSQL, Cassandra. |
| **J2EE** | Servlets, JSP, JSTL, JMS, JDBC, JNDI, JAXB, JTA. |
| **Testing Frame Works** | JUnit, Mockito, TestNg. |
| **Web Services** | JAX-WS, JAX-RS, SOAP, REST, Microservices. |
| **Operating Systems** | Unix, Linux, Windows. |
| **Web/App-Servers** | JBoss, Tomcat, WebSphere, WebLogic. |
| **IDEs** | Eclipse, RAD, NetBeans, IntelliJ. |
| **Version Control Systems** | CVS, SVN, GitHub, Clear Case. |
| **Build Tools** | Ant, Maven, Jenkins. |
| **Methodologies** | Waterfall Model, Agile, Test-Driven Development (TDD), |
| **Tools** | UML, SQL Developer, TOAD, Log4J, SOAPUI, Rest Client UI, Postman, Grunt. |

**PROFESSIONAL EXPERIENCE**:

**Client: Toyota, Plano, TX**   **Dec 2019 –till date**

**Role**: Sr. Java Full Stack Developer

**Projects:** Dealer Audit, Title Management.

**Responsibilities:**

* Built the business layer with **Core Java** and used Spring Beans for dependency injection, annotations, and Spring **MVC** tools.
* Participated in daily scrum meetings, sprint planning and product backlog grooming.
* Involved in documentation, review, analysis and fixed postproduction issues. Maintained the Production and the Test systems.
* Implemented **Microservices** to make applications manageable and independent.
* Developed **Microservices** using **Spring Boot**, **RESTful** services to provide all the CRUD capabilities.
* Migrated existing applications into **Micro Services** architecture using Rest APIs, **Spring boot,** Spring Cloudand **AWS**.
* Used **Spring 4.0** Framework and **Spring MVC**, **Spring Boot** to provide Model and View, and URL based responses to different **HTTP** requests.
* Authenticating Users and to provide security to RESTful web services using Oauth 2.0.
* Used Executor Service multithreading to implement **Thread pool**, parallel processing to run processes asynchronously, using future calls to access the data.
* Wrote services to store and retrieve user data from the **Mongo DB** for the application on devices.
* Used **Mongoose API** to access **the Mongo DB**.
* Used **Apache Kafka** (Message Queues) for reliable and asynchronous exchange of important information between multiple business applications.
* Designed and developed UI screens with **Angular and TypeScript** to provide interactive screens to display data.
* Using **Angular**, I’ve created custom directives for data manipulations and to display data in company standard  
  format in UI.
* Writing and rewriting files to and from **AWS S3** bucket for UI to render data faster that involves complex and time-consuming server-side logic
* Used **JUnit** as a testing framework in a Test-Driven Development environment.
* Actively participated in **CI/CD** initiative for java applications using **Bit-Bucket** and **Jenkins**.
* Used **Maven** to build and package the application and implemented **Log4j** for the project.

**Environment:**Java 8 and 11, Spring, Spring Boot, Spring MVC, Spring IOC, AOP, Hibernate ORM, Angular 9, Bootstrap, Maven, JIRA, Kafka, Tomcat, RESTful, SOAPUI, Webservices, AWS, Mongo DB, TypeScript, CSS, HTML5, Elastic Cloud Compute (EC2), Log4j.

**Client: Fidelity National Financial, Irvine CA Nov 2017 – Nov 2019**

**Role**: Sr. Java/J2EE Full Stack Developer

**Projects:** PDF generation, Payment Automation.

**Responsibilities:**

* Actively involved in Analysis, Design, Development, System Testing and User Acceptance Testing. Successfully followed agile methodology in the Scrum Cycle model.
* Developed Micro Services to provide Restful API utilizing **Spring** **Boot** with various data persistence frameworks such Hibernate, JPA and messaging engines.
* Used **Spring** MVC framework to better control the presentation, business and navigational aspects of the applications.
* Involved in designed fully distributed system with the use of **Restful** API and **Microservices**.
* Using Angular and CommonJS Web-packed for single-page web application of project.
* Increased efficiency of environment setup to become 80% faster by using Spring Boot & Maven to simplify configuration, development, and deployment.
* Extensively used **MVC**, Factory, Delegate and Singleton design patterns.
* Used **Spring** framework including **Spring core/IoC, Spring Web, Spring Security** and implement the authentication, authorization, and access-control features by using Spring Security.
* Used **Spring framework** to provide loose coupling between different application modules.
* Used Spring MVC, Spring ORM and Spring Security modules to integrate with MySQL database to implement persistence layer in Hibernate.
* Developed **Hibernate** with **Spring** Integration as the data abstraction to interact with the database of **MYSQL**.
* Used JWT token bearer authentication for REST services.
* Responsible for Configuring Kafka Consumer and Producer metrics to visualize the Kafka System performance and monitoring.
* Developed single page applications using **Angular 6, Typescript, HTML5, CSS3, and Bootstrap**.
* Used **NodeJS** for doing non-blocking design operation for server-side code and **Angular framework** in developing various **UI** components.
* Accomplished Workload Management by creating **Clusters**.
* Implemented various screens for the front end using **Angular**and used various predefined components from **NPM** (Node Package Manager) and Angular library.
* Involved in using Angular components, Forms, Events, Keys, Router, Animations and Flux concept.
* Knowledge in configuring **Cloud** platform such as VMs, **Azure** AD, Web Apps, DB’s, Cloud Services, etc.
* Creating and managing **Azure** Web-Apps and providing the access permission or Authorization to Microsoft Accounts.
* Project migration into cloud environment using**Docker** container.
* Used **JIRA** to keep track of bugs to reduce downtime, increase productivity, and Communication.

**Environment:**Java 1.8, Spring framework, Spring MVC, Hibernate, Apache Kafka, JSP, AWS, SOA, Web Services, SQL Server, Microservices, XML, NodeJS, Angular 6, Spring Boot, Typescript, JavaScript, Agile Methodology, Design Patterns, Apache Maven, Apache Cassandra, MYSQL, JUnit, Html, JENKINS.

**Client: Comptroller of Maryland, Annapolis, MD**   **March 2016 – Oct 2017**

**Role**: Java Full Stack Developer

**Projects:** Payoff quote, User Portal.

**Responsibilities:**

* Responsible for gathering requirements from the client business unit by participating in design discussions and implementation feasibility analysis with business analysts at all levels.
* Developed **RESTful** Web service to generate and consume services from different modules. Implemented **MVC** Framework to make single page applications **SPAS** for responsive services.
* Used Spring **ORM** Support for **Hibernate** to manage Hibernate Resources and consistent exception hierarchy. Integrated Spring **DAO** for data access using with **Hibernate** and **Spring** Validation Framework for Server-side validation.
* Used Spring Security framework to set up authentication and authorization for the application using single sign on.
* Developed asynchronous service call in Angular 4 with Type Script and transacted data in JSON format between back-end and front-end applications.
* Worked on **Node.js** and **MongoDB** data store procedures to satisfy various business requirements of the application.
* Wrote **NoSQL** queries and procedures to fetch the data from **MongoDB** for Inpatient accounts.
* Used **Spring MVC, Spring ORM** and **Spring** Security modules to integrate with **MySQL** database to implement persistence layer in **Hibernate**.
* Use **JS** framework such as **Angular** (for data driven apps) and **Backbone.js** (for heavy **DOM** manipulation).
* Web application development using Angular with cutting edge **HTML5 and CSS3**.
* Built the project upon the Single Page Application (**SPA**) criteria.
* Involved in building applications using **React JS** by building re-usable **UI** Components.
* Worked through cross browser compatibility issues with layout and styles for all new **CSS** that was implemented.
* Developed generic database Connection Pooling with WebLogic Admin server using **spring, SQL query** optimization.
* Involved in performing Unit and Integration testing (**JUnit**).
* Used **Apache JMeter** for load testing and **log4J** for debugging with various levels. Used Subversion for version control across common source code used by developers and deployed the applications on **WebLogic** Application Server. Utilized Gradle for continuous integration.

**Environment:** Java 1.6, J2EE, JSP, JSTL, Servlets, Kafka, Hibernate, Spring MVC, Spring Boot, Spring Security, SQL, Oracle, WebLogic Application Server, Mongo DB, JMS, XML, JavaScript, node.js, Bootstrap, SOAP, UML, SVN, JUnit, Log4J, AngularJS, Gradle, TDD, JMeter.

**Client**: **Global Logic Pvt Ltd International, Hyderabad, India**  Dec 2014 – Dec 2015

**Role:** **Java Developer**

**Responsibilities**:

* Worked with a team of developers in Agile (Scrum) model participating in design review meetings and sprint planning

meetings to size tasks and prioritize them using Basecamp.

* Design and develop base codes for the project using Java/J2EE
* Develop XSLT transformations for targeted systems
* Implemented spring security features using SOAP Interceptors for the authentication.
* Extensively used MVC, Factory, Delegate and Singleton design patterns.
* Involved in writing Spring Configuration XML file that contains declarations, DB connections and other dependent

objects.

* Developed a middle layer which consumes a web service and update data to database.
* Developed Spring Framework based RESTFUL Web Services for handling and persisting of requests and Spring

MVC for returning response to presentation tier.

* Leveraged Maven for Build process and Jenkins for Continuous Integration to ensure high developer productivity for

application development.

* Created Location Look up SOAP based web services.
* Designed and developed business components using Spring Boot, Spring Dependency Injection (Core), Spring AOP

and Spring Annotations.

* Streamlined the server implementation by moving to JSON and MongoDB as the backend data model.
* Used Spring Boot framework for building cloud Micro Services and to develop Spring based application radically

faster with very little configuration.

**Environment**: Java, Core Java, Swings, java Applets, Spring 4.x, JPA, JTA, Hibernate, CSS, HTML, Restful Web Services,

GWT, Linux, JIRA, JSON, jQuery, AJAX, JSON, GIT, XML, JUnit, JSF, NPM, Websphere, Agile, Docker, Advanced Rest

Client, Maven.

**EDUCATIONAL QUALIFICATIONS:**

* Bachelors in computer science & engineering (2015), India.
* Master's in information technology & management (December,2016), Campbellsville University, Kentucky