Simon Chowdary

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**PROFESSIONAL SUMMARY**

* 10+ years of IT industry experience encompassing a wide range of skill set, roles and industry verticals.
* Experienced in developing UI Screens using JSF, JSP, JSTL, Servlets, HTML, XHTML, JavaScript, CSS, jQuery, and Angular JS. Expertise in using Angular modules like Angular-animate, Angular-Cookies, Angular-Filter, Angular-Mocks, Angular-Recourse, Angular-Route, Angular-Sanitize, Angular-Touch, and Angular-UI-Bootstrap. Experience in using Angular JS Directives, Controllers, Filters, services, Templates, Events, and Injectors. Hands-on experience in the implementation of Pivotal Cloud Foundry (PCF) services such as Pivotal Application Service, Pivotal Container Service.
* Expertise in creating Angular custom Directives, Filters, and Services. Good experience with JavaScript, jQuery, Kendo UI for user interactions in pages. Creating a Responsive web application integrating Twitter Bootstrap with Angular JS and media queries.
* Expertise in developing applications using Core Java concepts like OOPS, Multithreading, Garbage Collections, and Socket Programming, etc. Strong knowledge of Object-Oriented software engineering methodologies, Object-Oriented Analysis and Design, Design by Contract, UML.
* Expertise in n-tier Architecture, object-oriented Enterprise Java web applications using J2EE technologies/frameworks, which includes JSP, Servlets, EJB 2.0/3.0 (Entity Beans, Session Beans, MDB, Transactions, Security), JMS, Struts, JSF, Spring, Hibernate, JDBC, IBM MQ, JavaScript, SOAP/Rest Web services. In-depth knowledge and experience in implementing Service Oriented Architecture (SOA) using XML-based SOAP/RESTful web services.
* Strong working experience on various Spring Modules (Spring MVC, DAO, AOP, Spring LDAP) along with Hibernate as the back-end ORM tool for the implementation of persistence layer and mapping of POJOs. Strong experience in using HQL, inheritance, caching strategies, mapping strategies, annotations with Hibernate.
* Proficient in Microsoft Azure cloud services, with hands-on experience in deploying and managing applications on the Azure platform.
* Skilled in designing and implementing highly available and scalable solutions using Azure Virtual Machines, Virtual Networks, and Load Balancers.
* Experience in utilizing Azure App Services for hosting and managing web applications, ensuring seamless deployment and scaling.
* Familiarity with Azure Functions, enabling serverless compute for building event-driven microservices and workﬂows.
* Expertise in working with Azure Cosmos DB, a globally distributed NoSQL database service, for efficient and low-latency data storage and retrieval.
* Experience with Cloud technologies like Amazon Web Services (AWS). Experience with and a solid understanding of Microservices. Extensively worked with ORM tools (Hibernate (HQL), JPA, and OJB) and JPA annotations. Designed and developed reports using Jasper Reports and provided integration points for services written in Java. Employing Java Object/Relational bridge technologies such as Hibernate, JPA, and Spring.
* Extensive work experience in all phases of Software Development Life Cycle (SDLC) including Requirements Analysis, Design, Coding, Testing, and Implementation in Agile (Scrum), TDD Environment. Knowledge in developing applications using Agile and SCRUM methodologies.
* Developed applications using frameworks and API like Struts, Spring MVC. Expertise in various Java concepts like OOPS, Collections, Multithreading, and Exception Handling.
* Experienced in implementing SOAP-based web services using Apache CXF, Axis, and Spring CXF to handle HTTP, JMS transports. Strong Knowledge in scripting technologies like Python, Shell, Groovy on Grails, and Perl.
* Implemented caching mechanisms using **Spring** Cache to optimize application performance and reduce database load.
* Experience with Elasticsearch security features, including role-based access control and SSL/TLS encryption.
* Proficient in troubleshooting and resolving Elasticsearch performance issues and cluster health problems.
* Knowledge of Elasticsearch monitoring and alerting using tools like Elasticsearch monitoring APIs and third-party solutions.
* **D**eveloped **PL/SQL** triggers and master tables for automatic creation of primary keys
* Worked extensively on XML parsing using DOM and SAX parsers and used JAXB for marshaling and unmarshalling XML documents. Experience in developing Rest Service using Jersey framework. Experience of Database design in Oracle/DB2/MySQL/SQLServer/Postgres query-based programming and PL/SQL procedure programming and proficient in Database programming using JDBC and SQL.
* Experience in writing database objects like Stored Procedures, Functions, Triggers, PL/SQL packages, and Cursors for Oracle, SQL Server, DB2, and MySQL. Experience in developing secure enterprise Java applications using technologies such as JSP, Servlets, JAVA Beans, JMS, Spring, Struts, JNDI, JDBC, XML.
* Experience in application integration using Web Services such as JAX RPC, JAXB, JAX-WS, SOAP, WSDL, JAX-RS, Restful. Expertise in using IDEs like NetBeans, Eclipse, various Configuration Management tools like CVS, GIT, SVN, and IBM Clear Case Version Control.
* Highly knowledgeable in UML, Use Cases, Conceptual Models, Collaboration Diagrams, Class Diagrams, Activity, and Sequence Diagrams. Well Experienced in deploying and configuring applications onto application servers like WebSphere, WebLogic, JBOSS, and Apache Tomcat. Experience in Object-Oriented Analysis & Design (OOAD).
* Involved in Updating the On-Call production support document. Excellent analytical and communication skills. Good understanding of Software as a Service (SaaS). Developed test cases using JUnit and performed peer-to-peer testing.
* Implemented dependency injection and inversion of control (IoC) principles using **Spring's IoC container.**
* Configured **Spring Security** to protect web applications from unauthorized access and implemented role-based access control (RBAC) systems.
* Implemented caching mechanisms using **Spring** Cache to optimize application performance and reduce database load.
* **D**eveloped **PL/SQL** triggers and master tables for automatic creation of primary keys
* Involved in data loading using **PL/SQL** and **SQL \*Loader** calling unix script to download and manipulate files.
* Expertise lies in deploying Java applications on the AWS cloud. Utilized some AWS services such as **AWS Lambda, API Gateway, and DynamoDB to build Server-less architectures.** By leveraging the power of AWS Lambda, I have developed funcEons that are triggered by specific events, enabling a server less and event-driven approach to application development.
* Utilized **API Gateway** to create secure and scalable APIs for seamless communication between the front-end and back-end components. Developed and migrated **memory restricted micro services** from **Java** to **GoLang**
* Used Golang to develop micro services for fast response, concurrency and performance
* Developed and migrated existing micro services from **Java** to **Golang** for better **Scalability** and **deployment**
* Worked on responsive design and developed a single ISOMORPHIC responsive website that could be served to desktop, Tablets and mobile users using **React.js**.
* Utilized **Kubernetes** for the runtime environment of the **CI/CD** system to build, test deploy.
* Deployed Spring Boot with Java 8 and 11 based micro services Docker container using AWS EC2 ,GCP Compute engine container services and AWS admin console.

**Professional Experience**

**VERIZON , PLANO, TX JULY 2021 – PRESENT**

**SR JAVA FULL STACK DEVELOPER RESPONSIBILITIES:**

* Implemented various screens for the front end using React.js and utilized predefined components from NPM (Node Package Manager).
* Utilized React's efficient data ﬂow architecture to create a lightweight and render-efficient web app that searched projects via the GitHub API through keywords.
* Worked on React JS Virtual DOM and React views, rendering using components containing additional components called custom HTML tags.
* Configured Kafka to read and write messages from external programs and handle real-time data.
* Designed and performed POCs (proofs of concept) and developed Apache Kafka Distributed Messaging and Integration Ecosystem for the enterprise.
* Written test cases and performed unit testing using JUnit.
* Used Log4J for logging, debugging, and monitoring error logs, and resolved related issues.
* Worked in a CI/CD environment with Jenkins, Maven, AWS, and Terraform.
* Created and modified Stored Procedures, Functions, and Triggers, including complex SQL commands for the application using PL/SQL.
* Experienced working in agile development following SCRUM process, sprints, and daily standup meetings.
* Designed and implemented NoSQL Cassandra key stores and column families.
* Modified Cassandra.yaml and Cassandra-env.sh files to configure properties.
* Experience in designing and implementing continuous integration, continuous delivery, continuous deployment through Jenkins.
* Designed and implemented complex integration solutions using Camel routes to facilitate data transformation, routing, and mediation across diverse systems.
* Integrated Apache Camel with diﬀerent messaging systems, such as Apache Kafka, JMS, and ActiveMQ, to enable real-time event-driven communication between applications.
* Utilized Camel's robust error handling and retry mechanisms to ensure reliable message processing and fault tolerance in integration workﬂows.
* Implemented RESTful APIs using Camel's REST DSL for easy exposure and consumption of services in a microservices architecture.
* Leveraged Camel's support for multiple data formats and protocols to seamlessly communicate with various endpoints, databases, and cloud services.Implemented data aggregation and visualization using Elasticsearch aggregations and Kibana for generating insightful dashboards and reports.\
* Utilized npm commands and package.json for managing dependencies and dev-dependencies of Node.js applications.
* Used Node.js on the server-side and installed necessary packages into the application.
* Proficient in Go programming language, with hands-on experience in building scalable and high-performance backend systems using Go's concurrency and Goroutines.
* Proficient in developing and maintaining web applications using Go and PHP, leveraging the strengths of each language for specific project requirements.
* Demonstrated expertise in building scalable and performant back-end systems with Go, taking advantage of its concurrency model and efficient memory management.
* Skilled in front-end development using PHP, creating dynamic and interactive user interfaces that enhance the overall user experience.
* Extensive experience in integrating APIs and services, utilizing both Go and PHP, to facilitate seamless communication between diﬀerent components of the application.
* Strong understanding of software design principles and best practices, enabling the development of secure and high-quality production code in both Go and PHP.
* Developed RESTful APIs and microservices in Go, utilizing frameworks like Gin or Echo for efficient routing and handling HTTP requests.
* Demonstrated expertise in collaborative software development practices.
* Extensive experience in pairing with fellow developers to design, code, test, and refactor software solutions, resulting in higher code quality and reduced defects.
* Actively participated in pair programming sessions to provide and receive real-time feedback, fostering continuous improvement and knowledge sharing within the team.
* Seasoned Java Developer with extensive hands-on experience in Core Java development.
* Proficient in RestAssured and API development, with a strong emphasis on RestAPI and Micro Services using JSON.
* Expertise in utilizing tools like SoapUI, HTTP Client Analyzer, and TDD methodologies for robust API testing.
* Skilled in implementing RestAssured using BDD principles and Java, ensuring efficient and reliable API testing.
* Demonstrated ability in developing frameworks for API and web applications, enhancing efficiency and maintainability.
* Proficient in Spring Boot framework, leveraging its capabilities for streamlined application development.
* Strong grasp of Kafka messaging system, utilizing it eﬀectively for real-time data processing and communication.
* Experienced in AWS Cloud services, including EC2, S3, and Lambda, and proficient in infrastructure setup and management.
* Skilled in using Terraform for infrastructure provisioning and Docker for containerization, enhancing deployment efficiency.
* Proficient in Kubernetes orchestrations, enabling seamless management and scaling of containerized applications.
* Familiarity with GitLab for version control, ensuring collaborative development and efficient code management.
* Hands-on experience in Big Data technologies, including Hadoop, PIG, and HIVE, for processing and analyzing large datasets.
* Proven ability to design and develop APIs for various services, contributing to a robust and ﬂexible architecture.
* Strong background in Java programming, implementing best practices and design patterns for clean and efficient code.
* Collaborative team player with a track record of eﬀective communication and coordination within cross-functional teams.
* Proficient in creating unit tests, integration tests, and end-to-end tests to ensure software quality and reliability.
* Demonstrated experience in designing and developing scalable microservices architecture for complex applications.
* Expertise in using JSON for data exchange, ensuring interoperability and efficient communication between services.
* Solid understanding of software development lifecycle, from requirements gathering to deployment and maintenance.
* Skilled in conducting code reviews, providing constructive feedback, and ensuring code quality and standards.
* Actively contribute to the continuous improvement of development processes, incorporating best practices and tools.
* Detail-oriented approach to software development, focusing on code readability, maintainability, and documentation.
* Proficient in agile methodologies, participating in sprint planning, stand-up meetings, and retrospectives.
* Strong problem-solving skills, adept at identifying and resolving technical challenges in a timely manner.
* Enthusiastic about staying updated with the latest industry trends and technologies, continuously enhancing technical skills.

# Environment:

Java 11, AWS, Azure, Python, Django, Angular 8, JavaScript, Node.js, HTML, Kafka, CSS, Spring Boot, Spring Batch, Microservices, NoSQL, PostgreSQL, CouchBase, MongoDB, CosmosDB ,Cassandra, Jenkins, Maven, Docker, Kubernetes, JUnit, Rally, Scrum , GoLang

**CLIENT: BANK OF AMERICA, NC. SEPTEMBER 2019 TO JUNE 2021**

**SR JAVA FULL STACK DEVELOPER RESPONSIBILITIES:**

* Integrated Amazon Web Services (AWS) and Azure Cloud with other application infrastructures.
* Used RADAR to track projects, bugs, and issues.
* Implemented Kafka Producer to produce data to Kafka using Spring Kafka.
* Implemented Kafka Consumer to consume data from Kafka.
* Implemented test cases for controllers using Wire mock.
* Azure Resource Manager (ARM) was utilized for security, auditing, and tagging features to manage resources after deployment.
* Used Azure Resource Manager (ARM) to deploy, update, or delete all resources for a solution in a single, coordinated operation.
* Utilized Azure Functions to integrate applications and run backend processes on schedules without provisioning or managing servers.
* Added missing test cases to the repository to ensure 100% code coverage for missed branches and instructions in the JACOCO report.
* Involved in batch processing using the Spring Batch framework to extract data from the database and load it into corresponding tables.
* Developed applications using Java 8, Spring Boot, and Oracle.
* Extracted data from CSV files and loaded it into database tables using Spring Batch.
* Fixed bugs and implemented enhancements for existing software.
* Selected the appropriate AWS service based on compute, data, or security requirements.
* Familiarity with the ELK (Elasticsearch, Log stash, and Kibana) stack for centralized log management and analysis.
* Collaborated with cross-functional teams to design and implement Elasticsearch-based search solutions for applications.
* Worked with Elasticsearch plugins for additional functionalities and customization based on project requirements.
* Stayed up-to-date with the latest Elasticsearch releases, best practices, and community contributions.
* Demonstrated expertise in Elasticsearch data modeling and index optimization for efficient storage and retrieval.
* Experience with Elasticsearch data backup and disaster recovery strategies for maintaining data integrity and availability.
* Contributed to Elasticsearch cluster performance tuning and capacity planning to ensure optimal system performance.
* Collaborated with DevOps teams to deploy and manage Elasticsearch clusters in production environments.
* Excellent analytical and problem-solving skills for identifying and resolving Elasticsearch-related issues.
* Developed batch files to connect to DB2 externally and generate SQL queries for data extraction and loading.
* Developed the user interface using React JS and Flux for single-page application (SPA) development.
* Implemented code according to coding standards.
* Used Amazon CloudWatch to monitor AWS services and Amazon CloudWatch logs to monitor applications.
* Utilized Spring MVC, Spring Boot, IOC, Eclipse IDE, and GitHub.
* Implemented Microservices-based architecture using Spring Boot and REST API communication.
* Developed unit test cases using the Mockito framework to ensure code accuracy.
* Employed Hibernate ORM for mapping Java classes to database tables and data querying.

# Environment:

Java 1.8, JDK 1.7, J2EE, Azure, Spring, Spring MVC, Spring Boot, Jenkins, Spring 5, SOLR, Mockito, RESTful web services, Oracle, JUnit, Spring Cassandra, Gradle, Maven, Log4j, RADAR.

**CLIENT: UNITED HEALTH GROUP, KS DEC 2017 TO APRIL 2019**

**FULL STACK JAVA DEVELOPER RESPONSIBILITIES:**

* Developed a JavaScript performance testing toolkit for web and Node.js applications.
* Worked with technical teams to establish architecture models for JBOSS BRMS systems.
* Utilized Spring MVC annotations such as Controllers and Request Mapping while handling specific classes.
* Designed business rules using the DROOLS framework for existing web applications.
* Developed and executed Unit Test plans using JUnit, ensuring that results are documented and reviewed with Quality Assurance teams responsible for integrated testing.
* Used XML parser APIs such as JAXP (SAX) and JAXB in the web service's request-response data Marshalling as well as Unmarshalling process.
* Experience working on Distributed version control systems, i.e., Git.
* Developed and executed software systems using JavaScript and Groovy. And implemented SOA solutions and business processes using BPEL.
* Worked within SOA-based enterprise frameworks to build web services.
* Created Composite Applications, Home Security components, and Adapters using Oracle SOA technology.
* Architected services to align with business objectives and fit into the overall SOA-driven program.
* Implemented MVC architecture using Hibernate (Spring DAO) for the backend and Spring MVC Frameworks for the frontend.
* Involved in the full cycle of software development from analysis through design, development, integration, and testing phases.
* Followed Agile Software Development with Scrum methodology. And assisted in designing, developing, and testing activities for all BRMS rules.
* Created and managed Microservices, using them as a strategy to gradually replace a core monolithic application while still adding business features.
* Worked on Git to attach useful metadata to Git objects.
* Implemented functionality using Spring IO / Spring Boot, MicroServices, and Hibernate ORM.
* Used Spring for Dependency Injection and Apache Camel to integrate the Spring framework.
* Created Spring Controller classes based on existing Struts Action classes.
* Employed Hibernate ORM for mapping Java classes to database tables and data querying.
* Developed POJOs and Data Access Object (DAO) to handle all database operations.
* Developed internal Web Application in Groovy/Grails with MongoDB as a data store.
* Familiarity with FHIR, a standard for healthcare data exchange, enabling interoperability and seamless data sharing between healthcare systems.
* Implemented FHIR APIs to expose and consume healthcare data, adhering to FHIR resource definitions and profiles.
* Developed FHIR resources and extensions to support specific healthcare use cases and data requirements.
* Utilized FHIR servers and clients for data integration and interoperability in healthcare applications.
* Produced and Consumed RESTful Web services in JSON format.
* Proficient in Talend ECB, an integration platform that facilitates seamless data integration between on-premises and cloud-based systems. Developed data integration jobs in Talend ECB to synchronize data between cloud and on-premises databases and applications.
* Utilized Talend ECB's connectors and adapters to integrate with various cloud services and APIs.
* Implemented data transformation and mapping in Talend ECB to ensure data consistency and quality during integration processes.
* Worked with WebLogic Application Server for deploying and testing the code. And successfully implemented zero downtime in both Apache and JBoss.
* Modeled end-to-end business processes using BPMN and leveraged Command Workﬂow Engine to create executable ﬂows.
* Wrote transformations for importing data using Spring Batch.
* Developed front-end GUI using HTML, CSS, JavaScript, Angular.js, and Ajax, and enforced look and feel standards using style sheets, common headers, footers & menus, and web page templates using Apache Tiles.
* Defined standards for configuring and using AWS services securely and in a scalable manner.

# Environment:

Java-J2EE, JDK, JSP, Servlets, Spring, RESTful Web services, AWS, JSON, DROOLS, Hibernate, Agile, Eclipse, Oracle, Spring, Maven, Subversions, Apache Camel, MongoDB, Groovy, AWS, PL/SQL, WebLogic Server, Apache Tiles, JBOSS, JavaScript, Node.js, HTML, CSS, XML.

**INFO TECH PVT, LTD, INDIA JUN 2013 TO AUG 2017**

**JAVA DEVELOPER RESPONSIBILITIES:**

* Utilized Rational Application Developer (RAD) based on Eclipse for developing and debugging application code.
* Worked extensively on Spring IOC for dependency injection and managing application dependencies.
* Employed the Hibernate framework for backend development and Spring dependency injection for middle layer development.
* Developed Functional Requirement Document based on users' requirements.
* Involved in a full life cycle Object-Oriented application development, including Object Modeling, Database Mapping, and GUI Design.
* Developed and executed Unit Tests.
* Performed database development tasks such as creating new tables, PL/SQL stored procedures, functions, views, indexes, constraints, triggers, and SQL tuning to reduce application response time.
* Collaborated closely with the QA team to fix bugs and address production issues with a quick turnaround time.
* Utilized new features of Java 1.7, including Annotations, Generics, enhanced for loop, and Enums.
* Implemented Spring and Hibernate for implementing IOC, AOP, and ORM for backend tiers.
* Developed the J2EE application based on the Service Oriented Architecture.
* Implemented Thread Safe blocks for multithreaded access to ensure valid transactions.
* Created and injected Spring services, Spring controllers, and DAOs for achieving dependency injection and wiring objects of business classes.
* Utilized Spring Inheritance to develop beans from existing parent beans.
* Managed version control using SVN and designed web page screens for various modules using HTML, CSS, JavaScript, AJAX, and AngularJS.
* Implemented Spring Quartz functionality for scheduling tasks, such as generating monthly reports for customers and sending emails about diﬀerent policies.
* Demonstrated expertise in writing SQL queries, PL/SQL stored procedures for the database, and backend tasks.
* Worked with Reactor Spring Boot using Reactor Core Library.
* Designed and implemented Java Classes, Interfaces, Model design, and interface.
* Involved in writing services to write core logic for business processes.
* Involved in **domain, models, pojos** using for parsing the diﬀerent messages from Master card.
* Involved in the Database structuring and Table’s creation needed for the project.
* Used **SOAP UI** tool to test SOA based architecture application to test **SOAP** services & **REST API**. Used Page Object Model, UI Mapping, Selenium Manager, Data Driven using CSV, CSS Selectors as a part of Framework.
* Involved in writing the parsers for parsing and building the **XML** documents using **JPOS XML** Library.

## Environment:

Java, Spring framework, Hibernate 3.x, jQuery, Servlets 2.3, AJAX, Web services, SOAP, XML, JavaBeans, JavaScript, Oracle 10g, IBM RAD, WebSphere 7.0, Agile Methodology, JUnit, HtmlUnit, XSLT, HTML/DHTML.

## Technical Skills:

**J2EE Technologies**: JSP, Servlets, JavaBeans, Struts, JDBC, JSP Custom Tag Libraries, XML (SAX & DOM), JNDI, JMS, Applets, Log4J, JSTL, Junit

**Design Patterns**: MVC, View Dispatcher, Data Access Objects, Data Transfer Objects, Singleton, Observer, Factory and Session Façade.

**Framework**s: Angular Js, Angular x, Node.js, Hibernate, Spring, Spring MVC, Groovy on Rails 2.x , Mate, Adobe Flex, MXML, Spring Boot, Spring JDBC, Spring Core, Spring AOP, ORM, Spring DAO, Spring MVC, Spring MVC with REST, Action Script Rational Rose, UML, JUnit, Ant, Struts, Ajax, DOJO.

**Middleware**: ODBC, JDBC, RMI, Blaze DS

**Web/App Servers**: IBM WebSphere 6.x/5.x, Tomcat, JBoss, Apache, Resin, Apache Axis.

**IDE Tools:** Edit Plus, Text Pad, Eclipse, IntelliJ , VSCode

**Databases:** RDBMS, Oracle 9i/10i, DB2/UDB, MongoDB, Cassandra,RDS

**Languages**: Core Java, Java 8, using generics, JavaScript, ActiveX, Perl, PL/SQL, XML, Python,NodeJs , **Methodologies**: Agile, SCRUM, TDD, Design Patterns, Continuous Integration using Cruise Control **Web Technologies:** HTML, DHTML, CS3, AJAX, WebServices JAX-RPC, JAX-WS

**Network Protocols**: TCP/IP, UDP, FTP, HTTP, SOAP **GitHub : https://github.com/lightspeedsnail Leetcode: https://leetcode.com/somenkancheti/**