**DINESH KUMAR KOPURI**

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**SUMMARY OF EXPERIENCE:**

* 9+ years of experience in Object Oriented Designing, Developing, Implementation and testing in Business and Web applications using Java, J2EE, Spring, Spring Boot, SOA, Angular Technologies.
* Excellent Knowledge of Object - Oriented Analysis & Design.
* Experience with Agile, Waterfall development methodologies.
* Strong Experience in developing the application using ORM frameworks Hibernate, JPA ORM.
* Experienced in implementing presentation layer using Spring, Spring MVC, Angular, ReactJS, NodeJS, jQuery, HTML5, CSS.
* Expertise in Programming with JDBC, EJB, JNDI, JMS, Servlets, JSP and Custom tags using Struts framework.
* Skilled in developing User Interfaces using HTML5, CSS3, JavaScript, jQuery, Bootstrap, Ajax, AngularJS, Angular, ReactJS framework.
* Proficient in developing Single Page Applications (SPA) using Angular and React.js.
* Experience implementing SOA (Service Oriented Architecture) Webservices applications, implemented Micro services and Spring Boot applications.
* Proficiency in developing web services that include several components SOAP, Restful, XML, XSD, Axis2, JAXB, JAX-RS and JAX-WS.
* Strong knowledge on working with GraphQL schema, queries and mutations to interact with Mongo DB and several other data layers.
* Proficient in using Amazon Web Services (AWS). Extensive experience focusing on services like EC2, Elastic Beanstalk, CloudWatch, CloudFront, Cloud Formation, IAM, S3, RDS, ElastiCache, SNS, SQS, AMI.
* Experienced Spring Boot based Microservices using Docker container using Amazon EC2 container services and using OpenShift, AWS admin console.
* Have strong exposure and work experience on core java concepts, collection API, Stream API, Parallel Streams, exception handling, Multithreading, HashMap, concurrency, JDBC, modularity, executor service, fork and join frameworks.
* Implemented various Design patterns (Session Façade, Value Object, DAO, DTO, Command, Singleton, Factory, Adapter, MVC, Service Locator etc.) using J2EE technologies.
* Designed and developed J2EE MVC applications using Struts, Spring MVC and Spring Boot.
* Experience in database design, NoSQL, data modeling and developing stored procedures, functions and triggers using SQL plus, SQL developer in Oracle 10g/11g/12c, My SQL and DB2.
* Created REST APIs by using Spring, Jersey.
* Expertise in developing Single Page Applications (SPA) with Angular Framework with various versions like 2,4 and 6,8.
* Designed the user experience using UI Libraries including **ReactJS**, **JavaScript**.
* Experience in several agile frameworks like Scrum, XP, and Using TDD and ATDD approach.
* Experience in gathering requirements from Epic, Future and User Stories
* Experience in writing test-cases in Java environment using Junit, Mockito and Power mock, JIRA.
* Experience in managing the build and deployment using Gradle, Maven, Jenkins, Docker.
* Experience deploying applications on Apache Tomcat 8, BEA Web logic 10/12, Web sphere 5.0/6.0 application server environments.
* Experience with Maven, Gradle for dependency, version management and Jenkins continuous integration (CI/CD) to set up automated builds.
* Solid Experience in creating a Kubernetes Clusters in AWS and deploying a Docker Image on top of Kubernetes Cluster.
* Experience in messaging queue services like JMS, IBM MQ, Rabbit MQ, Active MQ and Apache Kafka.
* Experience in developing Apache Kafka as a distributed publish-subscribe messaging system and a robust queue that can handle a high volume of data
* Expertise in Hibernate, Spring, EJB (Entity Session Message Driven Bean), Ajax, Java Beans, JNDI, JMS, Java Mail, XML, Sockets using IDE’s like Eclipse.
* Good experience in source control systems like GIT, SVN.
* Experience in Oracle, SQL Server and DB2 for storing and analyzing Data.
* Experience in No SQL Databases like Mongo DB, Cassandra and HBase
* Experience of working with Application servers, Web servers like IBM WebSphere, WebLogic, JBOSS and Apache Tomcat.
* Good knowledge in Python and Hadoop, HDFS, Map Reduce, Hive, HBase, Flume.

**TECHNICAL SKILLS:**

* **Enterprise Java:**JSP, Servlet, EJB, JNDI, JMS, Groovy, JDBC, JPA, MDB, Angular, Node, React JS
* **Mark-up/ XML Technologies:**HTML5, XHTML, JavaScript, CSS, AppML, XML, XSD, XSL/XSLT, SAX/DOM, AJAX, JQuery, JSON, Xpath and XLink
* **Languages:**Java 1.8, Groovy, SQL, PL/SQL
* **Tools:** & Framework: Struts 2x, Spring, Spring Boot, Hibernate4/3, JPA, Spring MVC, Spring Boot, Spring AOP, AspectJ Introspection, Spring DAO, Spring Batch, JPA, JSF, Log4J, Junit, SOAP UI, Gradle, Apache Ant and Apache Maven, AWS
* **Databases:**Oracle 10g/11g/12c, SQL Server, MS SQL, Mongo DB, MySQL, IBM DB2 and PL/SQL Procedures, Cassandra
* **Development Tools:**Eclipse, My Eclipse 6.x, 8.x, NetBeans IDE
* **Version Control Tools:**CVS, SVN, GIT, CM Synergy, and Clear Case
* **Design Patterns:**MVC, Front Controller, Singleton, Business Delegate and DAO Patterns
* **Web Service Framework:**Apache Axis, Sun Jersey, AWS, and Apache CXF
* **Web/App Servers:**Apache Tomcat 8x, WebLogic 12, JBoss4.5, IBM WebSphere (7.0, 6.0)
* **Design &Modelling:**UML, Design Patterns, Microsoft Visio, Rational Rose 3.0, and Agile SCRUM
* **Unix & Linux:**Unix Grid computing and Shell Scripting
* **Tools:** GWT, J Profiler, Jenkins, Hudson, Sonar& Jenkins, JIRA, Nexus, FileZilla, Maven and Gradle
* **Web Service Protocols:**SOAP, REST, JAX-RPC, JAX-WS, JAXB, WSDL and UDDI
* **Other API's:**Junit, JAXB, Log4j, SLF4J and DOM, AWS, OpenShift
* **Operating Systems:**UNIX, Linux, Windows

**PROFESSIONAL EXPERIENCE:**

**Client: Ford Motors, Dearborn, MI Jan 2022 – Present**

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

**Responsibilities:**

* Worked on an Agile Development environment utilizing the tools JIRA, Kanban.
* Actively involved in coding using Java1.8, Spring 4.x to develop features from end to end.
* Built **Microservices** using **Spring Boot**, **Spring Cloud** and deploying to **AWS Cloud**.
* Used **Spring Core** Annotations for **Dependency Injection** and **Spring Boot** for **REST APIs** and **Microservices**.
* Extensively using **Core Java** such as **Multi-Threading**, **Exceptions**, and **Collections**.
* Developed **POJO’s** and Data **Access Object (DAO)** which handles all database operations using Hibernate.
* Worked on **Oracle** as the backend database and integrated with **Hibernate** to retrieve Data Access Objects.
* Used **Hibernate** framework in persistence layer for mapping an object-oriented domain model to a relational database
* Used **Apache Kafka** as a Messaging Service for producing and consuming data between applications.
* Used **Auto scaling** and **Elastic Load Balancer** features on **EC2** instances to serve the end users using applications during unexpected traffic/demand.
* Designed the user experience using UI Libraries including **ReactJS**, **JavaScript**.
* Used **Karma (Jasmine)** for **react** Unit testing and **Selenium** for E2E testing.
* Configured **Jenkins** jobs for Application Deployments to the **AWS** cloud environments.
* Developed **CI/CD** system with **Jenkins** on **Kubernetes** container environment,
* Utilized **Kubernetes** and **Docker** for the runtime environment for the CI/CD system to build and test and deploy.
* Performed operations using **AWS** services like **EC2**, **Lambda**, **DynamoDB**, **S3**, **CloudWatch**, **SNS** for various data engineering tasks.
* Automated the process using **Shell scripts**.
* **Automated** any given manual task using Shell Scripting.
* Wrote **build** and **deployment** scripts using **ANT scripts**.
* Used **Karma (Jasmine)** for **Angular** Unit testing and **Selenium** for E2E testing.
* Worked in a **Test-Driven Development (TDD)** by conducting **regression testing.**
* Used **JIRA** bug tracking tool.

**Environment:** Java, J2EE, Spring, Hibernate, Servlets, XML, React, JSP, HTML, CSS, Apache Tomcat, REST, Oracle, Eclipse, Log4j2, ANT, Unix, JUnit, GIT, Windows.

**Role: Senior Java Full Stack Developer**

**Client: CNHI, Burr Ridge, IL Aug’2019- Jan’2022**

**Responsibilities:**

* Involved in all phases of Software Development Life Cycle (SDLC) including analysis, design, development, and testing of the project.
* Working with front office traders and carrying out trading activity on day-to-day basis.
* Having a deep understanding of equity and trading flow.
* Improving the trading platforms and, diagnosing and fixing bugs and issues on existing production platforms
* Used Spring Boot to create stand-alone spring applications. Used Eclipse Integrated Development Environment for coding, debugging, and testing the application modules.
* Used Hibernate ORM to integrate with the business application with Oracle Database and where the hibernate template is used to implement in business logic.
* Designed and developed Microservices business components using Spring Boot.
* Knowledge in creation of Typescript reusable components and services to consume REST API's using Component based architecture provided by REACT.
* Implemented Spring Boot services in combination with React as front end to form a Microservice Oriented application.
* Experience as an Oracle PL/SQL Developer in Analysis, Design and Implementation of Business Applications using the Oracle Relational Database Management System (ORDBMS).
* ReactJS was used to parse the JSON file using the REST Web services.
* Created and maintained several Microservices serving various functions in the cloud-service
* Used Object/Relational mapping tool Hibernate and JPA to achieve object to database table persistency.
* Used Spring MVC framework along with Hibernate for Object-relational mapping.
* Developed custom Web Grid using React
* ReactJS to display data from Oracle Database.
* Developed DAOs using JPA, hibernate persistence API for the database operations to interact with Oracle Database.
* Developed Hibernate POJO Classes, Hibernate Configuration file and Hibernate Mapping files.
* Configured Swagger-UI registered Microservice with Eureka server to monitor service health check from Spring Boot admin console.
* Design roles and groups for users and resources using AWS Identity Access Management and managed network security using Security Groups and IAM.
* Analyze and fix issues related to REST Web services and Application responses.
* Worked on developing REST Services to expose the processed data as a service.
* Hands on Experience in working on NoSQL, Mongo DB, and Apache Cassandra.
* Worked on Swagger, REST with JSON to test data, and Postman for testing the Web Services and Documentation of the Web API.
* Experienced on spring framework applications like Spring Core, Spring AOP, Spring MVC, Spring Batch, Spring Security and Spring Boot and did integration to Micro services into existing system architecture.
* Experience in writing SQL queries to process the data.
* Developed API for using AWS Lambda to manage the servers and run the code in the AWS.
* Good understanding of various types of AWS Elastic Block Storage (EBS) and their utilization based on requirements.
* Implemented a Continuous Delivery pipeline with Jenkins and GitHub.

**Role: Java Full Stack Developer**

**Client: AbbVie, Vernon Hills, IL Apr’2016- Aug’2019**

**Responsibilities:**

* Worked on an Agile/TDD environment utilizing a test-driven development (TDD).
* Used Hibernate ORM, to manage the application persistence logic and Data Access
* Extensively used Hibernate in data access layer to access the data
* Developed the Restful service using Spring Controller, Delegate, DAO patterns.
* Developed the application using Spring MVC, Spring Boot.
* Design and development of User Interface using Spring MVC, Angular JS, HTML 5, CSS
* Deployed code in Apache Tomcat and Web logic servers
* Developing various pages in the applications in front end technologies HTML5, CSS3-SASS, JSON, Angular 6.
* Experience in developing, deploying and testing applications in an AWS environment using DevOps tools such as Jenkins and Docker.
* Highly used Angular 7.0 to build Single Page Application for navigation through the different status and multiple modals
* Implemented Services and Dependency Injection in Angular 7 to connect the web application to back-end APIs and for sharing the code between the components
* Updated Angular 2 to Angular 6, doesn’t make much different but same the latest version of the Angular framework.
* Created detailed AWS Security Groups, which behaved as virtual firewalls that controlled the traffic allowed reaching one or more AWS EC2 instances.
* Used JMS, WebSphere MQ for the asynchronous exchange of critical business data and events among J2EE components and legacy system.
* Used NodeJS to resolve dependencies via Angular, typescript, Jasmine.
* Leverage Java Lucene search to build a graph data set to enable precise search results.
* Developed SQL, PL/SQL, stored procedures along with Shell Scripting- database application scripts.
* Developed XML Schemas - XSD, DTD for the validation of XML documents.
* Used JSON objects, Typescript, JavaScript, and Bootstrap intensively to create interactive web pages.
* Designed and developed Restful Web Services using Spring Rest API.
* Experience working with Docker containers, Amazon EC2, S3 and ELBs in an AWS Environment.
* Responsible for creating efficient design and developing User Interaction screens using Angular JS, HTML5, CSS3, JavaScript, JQuery, AJAX and JSON.
* Used filters while coding in Angular 4.
* Used Apache Kafka in cluster as messaging system between the APIs and microservices and used Log4J for logging.
* Created the Kafka Clusters, consumer groups, Partitions, Topics, producers, consumers.
* Developed CI/CD system with Jenkins on Kubernetes environment, utilized Kubernetes and Docker for the runtime environment for the CI/CD system to build, Test and Deploy.
* Used Apache Maven tool for building and deploying the application.
* Running auto build jobs, deployed jobs, and tested suite jobs using Jenkins.
* Implemented a product-level cloud-based architecture in Amazon Web Services (AWS).
* Used Bulk Collections for better performance and easy retrieval of data, by reducing context switching between SQL and PL/SQL engines.
* Extensively used bulk collection in PL/SQL objects for improving the performing.
* Implemented unit test for testing Angular components with frameworks using KARMA and JASMINE
* Tracked day to day tasks and progress of the user stories, Bugs, Improvements, enhancements in JIRA and use Git for version control.

**Environment:** Java 1.8,AngularJS, Spring 4, Spring Boot, JMS, Oracle, SOAP, Mockito, WebLogic 12, Hibernate 4.0, Microservices, Restful Web service, AWS, Kafka, Oracle DB, PL/SQL, MS SQL Server 2012, JBoss Drools, SOA Design Patterns, Cassandra, LDAP, NOSQL, Hadoop, Kubernetes, Docker, Jenkins, Gradle, Cucumber, GIT

**Role: Java/ J2EE Developer**

**Client: Clear Data, Austin, TX Oct’2014- Feb’2016**

**Responsibilities:**

* Involved in a sprint planning meeting.
* Working the demo of new applications.
* Involved in IAM (Access Management) Onboarding documents and security level details for new applications.
* Involved in planning of new application architecture level.
* Used the Spring boot to create the stand-alone application, used the Redhat and Eclipse for coding, debugging the application modules.
* Experience with NoSQL database like Cassandra and SQL databases like Oracle, SQL Developer
* Using Java8 features in developing the code like **Lambda** expressions, creating resource classes, fetching documents from the database.
* Worked with modules like MongoDB for database persistence using Node.js to interact with MongoDB.
* Implemented a Continuous Delivery pipeline with Jenkins and Bitbucket.
* Have experience on Nexus and Splunk.
* Involved in designed fully distributed systems with the use of Restful API and Microservices.
* Complete understanding of the DevOps process with continuous integration using Jenkins, JIRA, GIT, CHEF.
* Expertise in developing model components using ORM technologies like Hibernate.
* Mentored a group of application developers, assigned responsibilities, elaborated use cases, managed project schedules, and module targets.
* Created the UI interface using JSP, JSF, JavaScript and jQuery.
* Worked on JavaScript for dynamic content to pages; utilized CSS for the front end.
* Built and deployed Java applications using MVC architecture using Spring designed and developed Servlets, JSP for controller, View layers respectively where Servlet processed requests and transferred control to appropriate JSP.
* Implemented multithreading, parallel programming and clusters to improve the performance efficiency and decrease the response times.
* Developed SOAP message envelopes and headers using WSDL.
* Developed a RESTful web API using Spring Boot.
* Developed JSP (Java Server Pages) for orders module and Customer Service Department.
* Used Maven as a build tool for the Backend application.
* Developed JUnit test cases for developed modules; also performed Unit testing, Integration testing.
* CRUD operations for the applications using the Spring MVC architecture of conducting code reviews.
* Enhanced the application performance by introducing Multi-threading using thread-state model and priority-based thread scheduler in Java.
* Designed the logical and physical data model, generated DDL scripts, and wrote DML scripts for Oracle database.
* Used Log4J to capture the log that includes runtime exceptions.

**Environment:** Java/J2EE, WebLogic,HTML, JSP, JavaScript Eclipse, SVN, Tomcat, WebSphere Application Server, Struts, Spring, and Hibernate, Kafka, HQL, UML, Toad, Oracle and Junit

**Role: Java Developer**

**Client: WNS Global Services, India Aug 2013- Sep 2014**

**Responsibilities:**

* Part of the team which was responsible for designing and developing the application in n-tier fashion as per struts based MVC architecture standards.
* Worked on Springs controllers and configured using annotations to handle the presentation requests and integrated with DAO.
* Utilize various Java Design patterns to develop Business modules based on the required functionality.
* Responsible for developing the application level flow by utilizing Java, JSP, Struts and used JavaScript for front end Validations.
* Wrote EJB Stateless session to communicate with Controller and Service layer i.e. make the EJB calls from Backing Beans.
* Created S3 buckets and managed roles and policies for S3 buckets. Utilized S3 buckets and Glacier for file storage and backup on AWS cloud. Used Dynamo DB to store the data for metrics and backend reports.
* Designed and developed the Web-based User Interface on Jakarta Struts Framework using Java Beans, Servlets, HTML, CSS, JSP and JavaScript.
* Designed and developed various modules of the application using frameworks like Springs MVC architecture and Springs Bean Factory using IOC, AOP concepts.
* Used JDBC to store the persistence data into the DB2 database and involved Database programming in Oracle 10g.
* Used AWS deployment services to quickly set up a dynamic website and configure virtual serves using AWS EC2 and responsible for maintaining and expanding our AWS infrastructure using AWS EC2/EBS.
* Used Springs Features like Springs MVC, Springs DAO, Springs Boot, Springs Batch, and Springs Security for application access and authorization, Springs Integration, Springs AOP for crosscutting concerns.
* Implemented design patterns such as singleton, Session Façade, Factory, and MVC, design patterns such as Business delegate and DAO design patterns.
* Involved in the development of project back-end layer using by most of core java features such as frameworks, Interfaces, Multi-threading, Exceptions and Implemented Java Multi-threading and Thread handling issues during application development.
* Used JSF messages for handling the error messages for the applications.
* Developed back-end stored procedures and triggers using Oracle PL/SQL, involved in database.
* Used Apache Tomcat web server to develop and deploy the application.
* Worked with Eclipse IDE to develop and deploy complete application and used CVS repository to maintain the source code.
* Debugging and Bug Fixing Applications in the team on daily basis and performed testing using JUnit.

**Environment:** Java, JSP, Servlets, Springs, AWS, Apache Tomcat, MVC architecture, Eclipse, JDBC,

JavaScript, HTML,Oracle 10g, Pl/SQL, CVS, JUnit, multi-threading.

**EDUCATION DETAILS:**

Bachelors in Technology form JNTUH, Hyderabad India - 2012