**Naveen Kumar**

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**Professional Summary**

* Full Stack Java Developer with 10 years of experience building Cross Platform Web/Client-Server applications using Java, J2EE with Spring Boot Framework, React, MySQL, and Spring Data JPA.
* Experience in Handling Messaging Services and creating data streaming solutions using Apache Kafka.
* Build Microservices with Spring Boot back-end API rest controllers.
* Create Test Modules using JUnit web test client/mock repo in terms of Test-driven approach, and also CI/CD with Jenkins Pipeline and Docker.
* Integrated third-party APIs and AWS services into Python applications, enabling seamless communication and data exchange with external systems.
* Collaborated with team members using GIT for staging and tracking changes developing source code.
* Use Docker containers for running a development/ testing environment containing dependencies.
* Used Maven, a project object model (POM), to manage a project's build, reporting, and documentation.
* Worked with Jenkins for autonomous integration and Docker to build containers.
* Developed DAO implementation using React Template from spring with React API.
* Experienced in AWS Cloud platforms such as EC2, AMI, EBS, Cloud Watch, AWS SQS, AWS S3, and AWS SNS.
* Created AWS Lambda functions to trigger events that are received from the S3 bucket and worked with Amazon Web Services (AWS) (Amazon EC2, Amazon RDS, Amazon Elastic Load Balancing, Amazon Lambda, Route 53)
* Distributed/versioned configuration, Service registration, and discovery, Routing, Service-to-service calls, Load balancing.
* Involved in developing internal applications using ReactJS, and NodeJS connect to oracle in the background.
* Developed Microservice onboarding tools and Jenkins allowing for easy creation and maintenance of build jobs and Kubernetes deployment and services.
* Experience working with Tableau for data visualization and reporting, including creating interactive dashboards and reports.
* Good Experience in Server-side Frameworks like Node.js and Java script libraries like React.Js
* Use Java 8 library features such as lambda functions, functional interfaces, and stream, Stream API.
* Design and develop REST Based Web services using the Spring framework to get the API exposed and consumed by the mobile app, web app, and third parties as required.
* Strong understanding of the underlying concepts and principles of the Collection Framework, including iteration, immutability, synchronization, and thread safety.
* Proficient in handling concurrent access to collections by utilizing concurrent collection classes, synchronization mechanisms, or thread-safe collections.
* Well-versed with Java 8, JE22 7, JDBC, Servlets, JSP, JSF, Web Services, JavaBeans, jQuery, Design patterns, JPA, Micro Services, XSLT, WSDL, UDDI, JAXP, JAXB, SAX, DOM, Apache AXIS, Apache Camel.
* Worked on MQ Series middleware for messaging, integrating, and automation of business process flow.
* Experience in designing and developing Class diagrams and Sequence diagrams using UML, Rational Rose.
* Hands-on experience in writing SQL queries, PL/SQL, Joins, Stored Procedures, and Database Triggers.
* **Technical Skills**

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| Languages | Core Java, Python, C, C++ |
| Markup Languages | XML, JSON, HTML5, CSS3 |
| J2EE Technologies | Servlets, JSP, JDBC, JNDI, Swing |
| Web Technologies | HTML5, CSS5, XML, jQuery, JavaScript, Angular JS 1.3, JSF, Node.js, React JS, Angular 10, Typescript. |
| Cloud technologies | AWS (EC2, S3, Fargate, SNS, Lambda), Azure (VM, blob storage), Google cloud (compute engine) |
| Version Control | GIT, SVN, CVS |
| Web Servers/ Application Servers | Apache Tomcat, WebLogic, WebSphere, JBoss, Fuse, and Glassfish |
| Databases | Oracle 11g, MySQL, DB2, Mongo DB, Firebase, Oracle PL/SQL Apache Cassandra, Hadoop. |
| Java Frameworks | Spring 3.x, Hibernate 3.x, Struts 2 |
| Design Patterns | Dependency Injection, MVC, Singleton, Adaptor, Factory, Gate Way, Façade, MVP |
| Testing | Junit, ALM, ETL, TestNG, |
| Build tool | Ant 1.8, Maven.NIFI, Docker, Gradle, |
| Web Services | Apigee and RESTful Web Services, SOAP Web Services -JAX-WS-API |
| Development Methodologies | Agile, Waterfall. |
| Operating System | Windows, UNIX, Mac OS X, Ubuntu, Linux |

**Education:**

Bachelors in Electronics & Communication Engineering at JNTUH 2012.

**Work Experience:**

**T-Mobile, Bellevue, WA . Sept 2021– Till Date**

**Role: Full Stack Java Developer**

* Designed the Web Application Using SpringMVC (Model View Controller) pattern to make it extensible and flexible.
* Analysed, designed, and implemented web-based applications using Java, JPA, JSP, Spring, XML, and SQL.
* Helped in preparing the design documents like process flow, sequence, and component diagram.
* Used annotations in the complete project development, web services, and MVC design.
* Built telecom dashboards with React.js, providing visual representations of complex data sets for efficient monitoring and analysis. Used JPA as data persistence API for all the DAO, database operations.
* Generated Hibernate Objects and used Hibernate ORM for the SOTI Publisher application.
* Involved in provisioning S3 buckets for backup of the application and sync these contents with remaining S3 backups, by creating entry for AWS S3.
* Developed And Maintaining Web application using Reacts.Js And built dynamic UI components Using React.Js, Delivering modern and user-friendly interfaces for functionalities.
* Integrated React.js applications with specific APIs to fetch and display real-time data, such as call logs, network status, or user information.
* Updated the build and deployment processes to leverage Java 11-compatible tools and frameworks, such as Maven or Gradle, ensuring smooth integration and deployment of the application on modern platforms and infrastructure.
* Implemented Microservices using Spring Boot, and Spring Cloud and implemented Zipkin for distributed Microservice monitoring along with Swagger UI for API documentation and Kafka for messaging service.
* Used HTML5, CSS3, JavaScript, jQuery, Angular JS and JSON, python2.7/3.0, and bootstrap for developing responsive single-page applications.
* Upgraded and refactored existing Java 8 codebase to leverage the new features and enhancements introduced in Java 11, resulting in improved performance, stability, and maintainability of the application.
* Implemented development procedures for IVR and Speech applications through java web services and used AWS lambda to run servers without managing them and to trigger to run code by S3 and SNS.
* Utilized Java 11's enhanced APIs, such as the new HTTP client, to build efficient and secure RESTful APIs, enabling seamless integration with external systems and facilitating data exchange over HTTP.
* Enhanced Application performance by Angular 10 Component-based development in view of future Angular framework transitions.
* Used the Kubernetes commands for creating the auto-scaling for the platform service open shift.
* Used JSF and its components to implement the GUI of the application.
* Implemented jQuery and AJAX calls to retrieve JSON data from the database on the fly via Rest API
* Prepared UI test cases, test plans, and test scenarios and developed test automation using Selenium WebDriver
* Prepared and developed acceptance test case scenarios in the application.
* Developed a fully automated continuous integration system using Git, Jenkins, MySQL, and custom tools developed in Python and Bash.
* Implemented integration test cases using Cucumber/gherkin framework.
* Developed Cucumber test cases using Feature, Scenario, and Steps format.
* Worked in AWS Cloud development environment and created EC2 instances, S3 buckets.

**BCBS, Irving, TX. Dec 2019- Aug 2021**

**Role: Sr. Java Developer**

* Prepared Technical scoping, high-level design, and low-level design documents for new features of the application Followed Agile/Scrum methodology to iterate quickly on product changes, developing user stories and working through the backlog, and used Rally to record and monitor the stories and backlogs.
* Implemented Micro Services based on Cloud Architecture using Spring Boot.
* Designed and developed applications using Spring boot, Spring REST, Spring Security, Spring Data, and Spring Cloud Config Server.
* Implemented RESTful and SOAP-based web services.
* Worked with Angular 2 to develop single page applications and worked with ngrx for managing Angular Applications.
* Used Apache Kafka for Producing the change events from SQL And the Node JS Programs to consume events as per the change events. Used Apache Kafka High-Level Consumer High-Level Producer for the programs.
* Used Couchbase DB for caching the data so that can retrieve faster. Automated and streamlined build-test-release cycle by using CI/CD tool GoCD.
* Have exposure to ELK stack (Elastic, Logstash, and Kibana) and used to debug prod issues by querying logs on Kibana.
* Leverage AWS cloud services such as EC2, Auto-Scaling and VPC to build secure. Highly scalable and flexible systems that handled expected and unexpected load bursts.
* Implemented Angular Router to enable navigation from one view to the next as the customer performs application tasks.
* Created AWS launch configuration based on customized AMI and use this launch configuration to configure auto scaling groups and implemented AWS solutions using EC2, S3, RDS, MongoDB, Route53, EBS, Elastic Load Balancer, Auto scaling groups.
* Used ReactJS, HTML5, and CSS3 all HTML is accomplished through ReactJS directives.
* Developed Web Service to act like an interface to transfer and receive data from various other modules.
* Replaced the existing logging framework with the regular Log4J framework to simplify the logging process.
* Used multiple threads for parallel processing to improve the performance of web services.
* Used Docker, Spring Boot, Jboss, Azure, and Cassandra.
* Deployed Applications on Azure by using AppDynamics.
* Involved in Test Driven Development using SOAP UI and used Junit for writing several test cases and extensively worked in testing the entire application in different environments.
* Implemented Spring MVC and JDBC for the CARE application for customer support representatives.
* Developed RESTful web services with controllers and services and authenticated RESTful API using Oauth2 and worked on REST API for getting and posting the data to and from the backend.
* Implemented Micro Services using Spring Boot, and Spring Cloud and implemented Zipkin for distributed Micro Service monitoring along with Swagger UI for API documentation and worked with a Kafka team for messaging service.
* Utilized Python frameworks like Django or Flask to build web applications, providing intuitive user interfaces and efficient back-end functionality.
* Implemented Spring Transaction Management, preventing overlapping transactions b/w multiple users.
* Allowed for the rollback of transactions that go through multiple APIs through the use of Saga and Orchestration Architecture through the use of workflows.
* Developed a client-side layer and created components, services, modules, and routes using Angular, HTML5, CSS3, Bootstrap, and Typescript.
* Used Angular with Responsive Web Design to make the data manipulations and used log4j for logging errors found when testing the application.

**Datafact Z, India. Nov 2016 to Aug 2019**

**Role: Java Developer**

* Handheld most of the Java Core Exception handling, Multi-threading, and Synchronization.
* Involved in creating various Data Access Objects (DAO) for the addition, modification, and deletion of records using various specification files.
* Create Models in Java using Spring Data JPA with Hibernate mapping files to develop Database Tables from Classes and generation of a database schema.
* Create Class Models in Java using concepts of OOP.
* Used Spring MVC Security to implement Authentication and Authorization to the web app.
* Used OAuth2 security to secure the REST API and added required configuration classes and overridden some of the default methods to customize it.
* Created a user-friendly GUI interface using HTML, CSS, JavaScript, Angular, and Bootstrap.
* Involved in the creation of functional components in the Angular Single Page Application SPA.
* Create service endpoints in Angular using the HTTP Client.
* Create a Back-end using Spring Boot Framework using MVC structure to allow rapid Java development using the latest and most stable dependencies in security for the web.
* Leveraged Spring Data JPA with built-in CRUD operations out of the box to communicate with MySQL databases.
* Secured REST endpoints with Spring Security and JWT as well as bcrypt encryption on our database.
* Created components, directives, and modules and utilized lifecycle hooks to allow for the list, adding and editing employee.
* Fabricated test deployments to AWS using Amazon's EC2 AMIs to clone working images and deploy them to different regions across the world. S3 provided all servers with unified object-based storage.
* Incorporated Amazon SES for email alerts when an employee's password or credentials is changed.
* Thoroughly tested using JUnit and Mockito testing of CRUD operations on mock employee services.
* Established consistent code across team members with Git and GitHub repositories as well as constant communication on Slack.

**Charter Global Technologies Pvt. Ltd, Hyderabad. Dec 2012 - Oct 2016**

**Role: Jr. Java Developer**

* Involved in the design and development of the entire application.
* Created UML diagrams (use case, class, sequence, and collaboration) based on the business requirements.
* Involved in designing and developing dynamic web pages using HTML and JSP with Struts tag libraries.
* Used JavaScript for client-side validation and Struts Validator Framework for form validations.
* Implemented PL/SQL queries and used Oracle stored procedures, and built-in functions to retrieve and update data from the databases.
* Used Hibernate Framework for object-relational mapping and persistence.
* Interfaced with the Oracle back-end using Hibernate Framework and XML config files.
* Used Eclipse for the development environment.
* Wrote JUnit test cases to test the functionality of each method in the DAO layer.
* Used CVS for version control.
* Configured and deployed the web application using WebSphere Application Server
* Used Rational Clear Quest.
* Prepared technical reports and documentation manuals for efficient program development.