**DILEEP KUMAR NALLABOLU**

***Sr Full Stack Java Developer***

Phone: +1 940-437-0170

Email: dileepreddy0897@gmail.com

**PROFESSIONAL SUMMARY**

* Highly skilled and dedicated Java full-stack developer with 11+ years of experience in designing, developing, and delivering robust and scalable web applications. Seeking a challenging role where I can utilize my expertise in Java, JavaScript, HTML/CSS, and related technologies to contribute to the success of an innovative and dynamic organization.
* Excellent design and programming skills in Java/J2EE, JavaScript, Struts, Spring, Angular JS, Node.js Java Mail, EJB, Web services, JSP, JDBC, XML, XSD, XSLT, RMI, XML Parsers (DOM and SAX), JAXP, JAXB, Maven, Log4j, Junit, Java Beans, JNDI, SQL, PL/SQL, Oracle, Tomcat, JBoss, Sybase.
* Experienced in creating single-page applications (SPA) using the Angular JS framework.
* Extensive experience in developing web applications using Spring Boot, Spring Security, Spring Core, Spring MVC, Spring AOP, Spring Actuator, Spring ORM, Spring JPA, and Spring REST.
* Extensive experience in Application Software Design, Object Oriented Design, Development, Documentation, Debugging, Testing, and Implementation.
* Experience in developing RESTful web services such as Microservices using Spring Boot for the customers to consume data.
* Developed DAO implementation using Hibernate Template from Spring with Hibernate API.
* Used Spring ORM module for integration with Hibernate for the persistence layer.
* Developed POJO objects and used Hibernate as the Object-Relational Mapping (ORM) tool to access the persistent data from SQL Server.
* Expertise in developing applications using Java, J2EE Standards, Servlet Programming, EJB, JSP, Struts, Spring, JDBC, JMS, JNDI, XML, UML, ANT, Hibernate, Oracle, SQL Server, MVC Architecture, Web Services, AJAX, Maven, SOAP, HTML, LOG4J, JavaScript
* Involved in writing Hibernate Query Language (HQL) for the persistence layer.
* Designed, developed, and maximized developer productivity by using IntelliJ's idea to become the first IDE to offer automated code refactoring.
* Developed different modules using J2EE (Servlets, JSP, JDBC, JNDI)
* Implemented the Model View Control (MVC) design pattern with Struts, JSP, and Servlets to control the flow of the application in the Presentation/Web tier.
* Extensive experience in developing JAVA-based applications using JAVA, JEE, JDBC, EJB, Servlets, JSP, JSF, JMS, and Web services.
* Configured and optimized WAS 9 for improved performance and resource utilization. Implemented clustering in WAS 9 for high availability and load balancing.
* Utilized the WAS 9 administrative console for server configuration and monitoring. Configured and managed JDBC (Java Database Connectivity) data sources in WAS 9.
* Implemented and managed JMS (Java Message Service) resources for messaging. Configured security features in WAS 9, including SSL and user authentication.
* Involved in building and deploying Apache ANT/ MAVEN scripts for deployment and customizing WAR/ JAR file management for web applications
* Experience in RDBMS technologies like Oracle, MySQL, and Postgres using Functions, Triggers, and Stored Procedures and involved in the activity of complex query Servers
* Deployed Spring Boot-based microservices in Docker and Amazon EC2 container using Jenkins
* Hands-on experience in Amazon Web Services (AWS) provisioning and good knowledge of AWS services like EC2, S3, Elastic Beanstalk, RDS, and SQS.
* Strong experience with JUnit for unit testing.
* Good exposure to using IDES like Eclipse, IntelliJ, Net Beans, Sublime Text, and in-build tools like Maven, Gradle, and logging tools like Log4J.

***EDUCATION***

* Achieved a Bachelor of Technology in Computer Science from Andhra University, India, in the year 2012.

***TECHNICAL SKILLS***

|  |  |
| --- | --- |
| Languages | Java (J2SE/11/1.8/1.7, J2EE 6/5), SQL, C, Python. |
| Software Methodologies | Agile, Scrum, SDLC Waterfall |
| Web Technologies | HTML, JavaScript, AJAX, Bootstrap, JSON, Angular12, React JS, Node JS. |
| J2EE Technologies | Java Beans XSD, JAX-RS, JAX-WS, SOAP, WSDL. |
| Web Service Frameworks | Spring 4.3, Hibernate 4.3, Struts (2.5/2.3), Spring MVC, Spring IOC, Spring Boot, Spring AOP. |
| Web Services | SOAP, RESTful |
| Testing Tools/Others | JUnit, Mockito, Log4J, Postman |
| Version Control Tools | GIT, GITHUB 2.12.0, SVN, Bit Bucket. |
| Build Tools | Maven 3.3.9, Ant 1.10, Gradle 3.4.1, Jenkins |
| Application / Web Servers | Web Logic Server 12c, Apache Tomcat (8.5/8.0), Apache HTTP Server, JBoss |
| IDE Tools | Spring Tool Suite 3.8.3, Eclipse, IntelliJ IDEA 2017.1, Net Beans |
| Operating Systems | Windows, Linux, Unix, Mac OS. |

***PROFESSIONAL EXPERIENCE***

***Client: T. Rowe Price, Baltimore, MD June 2022 to Present.***

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

**Responsibilities: -**

* Played a key role in the entire software development life cycle, including requirement gathering, analysis, design, development, and testing, following Agile methodology.
* Developed the user interface using modern technologies such as HTML5, CSS3, Typescript, JavaScript, jQuery, AJAX, JSON, Angular JS, REDUX, Node JS, and Bootstrap.
* Set up robust CI/CD pipelines using Jenkins, Bit Bucket, GitHub, Maven, Nexus, and VSTS for efficient development and deployment processes.
* Utilized GIT for version control and Sublime Text as the primary IDE for application development.
* Expertise in AngularJS controllers, directives, factories, services, routing, and DOM manipulation using JavaScript, jQuery, and AngularJS.
* Proficient in MEAN (MongoDB, Express, Angular, and NodeJS) Stack application development.
* Configured and optimized Webpack for bundling JavaScript, CSS, and other assets, significantly reducing load times and improving performance for web applications.
* Integrated REDUX architecture with Angular for unidirectional data flows.
* Designed and developed a web application using Spring Boot, Hibernate, MVC framework, and RESTful APIs.
* Conducted testing of RESTful web services using Postman and Apigee.
* Developed cloud-hosted web applications and REST APIs using Spring Boot with embedded Tomcat.
* Integrated ActiveMQ and Spring JMS API for message handling in the application's Restful API.
* Designed and developed custom message adapter components using Apache Kafka for Microservices communication.
* Integrated MongoDB with applications using official drivers for languages such as Python, Java, or Node.js.
* Implemented data replication and high availability strategies using MongoDB's replica sets and sharding for fault tolerance.
* Conducted performance tuning and optimization of MongoDB deployments to improve overall system performance.
* Automated deployments with OpenShift Pipelines using Tekton, streamlining CI/CD workflows and reducing time-to-market for new releases.
* Utilized OpenShift’s Operator Framework to automate application lifecycle management, improving reliability and reducing manual intervention.
* Implemented Blue-Green and Canary deployments in OpenShift, facilitating zero-downtime deployments and minimizing production risks.
* Managed storage with OpenShift’s Persistent Volumes (PV) and Persistent Volume Claims (PVC), supporting data persistence for containerized applications.
* Integrated OpenShift Monitoring and Prometheus to track application performance, set up alerts, and ensure high availability.
* Used OpenShift Service Mesh with Istio to handle traffic management, security, and observability, improving communication across microservices.
* Designed and implemented scalable and resilient architectures on AWS using services like EC2, S3, and RDS.
* Managed and optimized AWS resources to ensure cost-effectiveness and high performance of cloud-based applications.
* Configured and monitored AWS services using tools like CloudWatch and AWS Config for proactive issue detection and resolution.
* Implemented security best practices on AWS, including IAM policies, VPC configurations, and encryption mechanisms.
* Developed serverless applications using AWS Lambda and API Gateway for scalable and cost-efficient solutions.
* Designed and implemented AWS data storage solutions using S3, RDS, DynamoDB, or Redshift based on specific project requirements.
* Implemented event notifications and messaging capabilities using AWS SNS and SQS.
* Developed and implemented a framework to consume web services in Amazon EC2 instances.
* Leveraged Amazon RDS to host Oracle 11g as a database for the application.
* Developed APIs for Amazon Lambda to run code in AWS.
* Configured AWS Identity and Access Management (IAM) Group and users for enhanced login authentication.
* Used Amazon CloudWatch to monitor resources like EC2, Amazon RDS, Dynamo DB, and EBS volumes.

**Environment**: HTML5, CSS3, Java, JavaScript, jQuery 3.6.0, Bootstrap, JSON, Angular JS, Angular-CLI, AJAX, Jasmine, REDUX, Karma, Spring, REST, Spring Boot, Hibernate, Microservice, JPA, MongoDB, RESTful, Amazon (EC2, RDS, Lambda, IAM, Cloud Watch, SQS, SNS), Tomcat, Maven, Jenkins, Kubernetes, Log4J, GitHub, JUnit, jQuery, Oracle 11g, Eclipse.

***Client: TD Bank-Jersey City, NJ Sep 2020 - May 2022***

***Role: Full Stack Java Developer***

**Responsibilities**:

* Designing and programming system-level software, especially for microservices-based APIs and API endpoint implementation.
* Expertise in Java programming language, utilizing the latest features and improvements introduced in Java 11.
* Experience in creating and managing modular applications using the JPMS, allowing for better organization and maintenance of codebases using java11.
* Knowledge of Java 11's security enhancements, including TLS 1.3 support and the removal of outdated cryptographic algorithms.
* Successfully migrated legacy applications from earlier Java 8 to Java 11, addressing compatibility issues and leveraging new features.
* Utilized React Hooks (useState, useEffect, useContext) to manage component states and side effects, streamlining complex component interactions.
* Implemented Redux for state management, ensuring consistency across the application and simplifying state tracking and debugging.
* Leveraged React Router for dynamic routing, creating a seamless and intuitive navigation experience in single-page applications.
* Built reusable UI components with React, promoting code reusability and reducing development time for new features.
* Optimized app performance by employing code-splitting and lazy loading of React components, enhancing page load speeds.
* Integrated RESTful and GraphQL APIs with React components to enable efficient data fetching and updates in real-time.
* Enhanced accessibility and SEO by implementing server-side rendering (SSR) with Next.js, providing optimized, SEO-friendly pages.
* Cloud native frameworks (specifically pivotal technologies), database systems, and relevant programming languages.
* Designed and implemented scalable and resilient cloud architectures on Azure, leveraging services like Azure VMs, Azure Storage, and Azure SQL Database.
* Managed and optimized Azure resources to ensure cost-effectiveness and high performance of cloud-based applications, utilizing tools like Azure Monitor and Azure Advisor.
* Configured and monitored Azure services using Azure Security Center and Azure Policy to ensure compliance and mitigate security risks.
* Implemented identity and access management solutions on Azure using Azure Active Directory (AAD) for secure authentication and authorization.
* Developed serverless applications using Azure Functions and Azure Logic Apps for event-driven and automated workflows.
* Designed and implemented data storage solutions on Azure using Azure Blob Storage, Azure SQL Database, or Azure Cosmos DB based on specific project requirements.
* Developed Azure Logic Apps for automating workflows, resulting in a 40% reduction in process turnaround time.
* A strong understanding of the Spring Framework and building software for the cloud.
* Spring Integration (with a specific focus on) Async Channels, Global error handling, HTTP Outbound gateway

Spring Cloud Config Server.

* Exposed the application using Rest Web service, developed HTTP post, got methods based on requirements, and handled the errors using HTTP status codes. Used Postman API to test REST API output data.
* Worked on Meter for load balancing and performance testing, and clustering technologies through Kubernetes.
* Expertise in Apache Kafka message implementations and their integrations with the systems.
* Worked on associated REST tools such as Swagger, Postman, and SOAP UI testing HTTP Requests and responses.
* Developed system integration test to verify the code running in its functional environment.
* Implemented Logstash pipelines to ingest and transform data from various sources, including application logs, databases, and message queues, facilitating real-time data processing.
* Utilized Elasticsearch’s powerful search and aggregation capabilities to perform complex queries and generate reports, supporting data-driven decision-making processes.
* Implemented security best practices for the ELK Stack, including role-based access control (RBAC), SSL/TLS encryption, and audit logging, ensuring data protection and compliance.
* Automated the deployment and management of ELK Stack components using infrastructure as code tools like Terraform and Ansible, streamlining operations and reducing manual effort.
* Designed and developed the REST-based Microservices using the Spring Boot.
* Wrote Junit test cases and ANT as a build tool for the services and prepared documentation.

**Environment**: Java8/11, REST, Microservices, SOAP, XML, React, Spring, Spring Boot, Spring MVC, Docker, Confluence, Git, Azure, Jenkins, Kubernetes, Maven, Kafka, Meter, JBoss, Apache Tomcat, Active Mq, Splunk, POSTMAN.

***Client: State Farm – Atlanta, GA. Jan 2019 – Aug 2020***

***Role: Full Stack Java Developer***

**Responsibilities**:

* Proficient in designing and implementing user interfaces for health applications using modern frontend technologies such as HTML, CSS, and JavaScript.
* Developed responsive and user-friendly interfaces to ensure a seamless user experience across various devices and screen sizes.
* Utilized popular frontend frameworks/libraries like React to create dynamic and interactive user interfaces.
* Extensive experience in building robust and scalable backend systems for health applications.
* Implemented server-side logic and APIs to handle data processing, storage, and retrieval.
* Worked with backend technologies such as Node.js, Python (Django or Flask), or Java to develop server-side components.
* Designed and maintained databases to store and retrieve health-related data efficiently.
* Designed Use Case Diagrams, Class Diagrams Sequence Diagrams, and Object Diagrams, using IBM Rational Rose and RUP.
* Design and implement the backend layer using Hibernate.
* Used Spring MVC architecture with Hibernate to implement DAO code and used RESTful Web Services with XML parsing to interact with other modules.
* Used spring container for the data source and to load the Hibernate-specific classes.
* Used the Hibernate framework in the persistence layer for mapping an object-oriented domain model to the Oracle database.
* Utilized Amazon S3 for scalable and cost-effective object storage, enabling efficient data storage and retrieval.
* Experience in designing and implementing messaging systems using RabbitMQ.
* Used Apache Kafka for building real-time data pipelines and storing the data in a distributed cluster.
* Configured Java objects with backend database tables using ORM mapping in Hibernate.
* Configure and monitor numerous MongoDB instances and replica sets.
* Led the migration of on-premises data centers to Google Cloud Platform (GCP), enhancing system scalability and reducing operational costs by 30%.
* Implemented and managed robust GCP solutions, including Compute Engine, App Engine, and Kubernetes Engine, improving system reliability and performance.
* Developed and deployed cloud-native applications on GCP using Google Cloud Functions, resulting in a 25% increase in deployment efficiency.
* Created and Designed XML schemas and transformed the XML to an XSLT style sheet.
* Implemented various design patterns in the project such as Data Access Object, Data Transfer Object, and Singleton. Developed a web-based application using Spring Boot and React that was deployed to a GitHub repository.
* Leveraged GitHub's issue-tracking and project management features to organize tasks, track progress, and ensure effective team collaboration.
* Deployed the application to GitHub Pages, allowing stakeholders to access and interact with the application online.
* Expertise in using CSS3, HTML5, React, TypeScript, ES6, JavaScript, JSON, and jQuery to create UI web pages.
* Developed user interface by using React JS, and Flux for SPA development, also used React forms for data-driven form components and React router to define module-level routing.
* Used ReactJS to capture user actions and render the relevant action, as well as dynamically render the UI based on user actions.
* Integrated AppDynamics with CI/CD pipelines to automate performance testing and monitoring during deployments, ensuring that new releases maintain or improve application performance.
* Leveraged AppDynamics' Business Transaction monitoring to track end-to-end user interactions, enabling precise analysis of user experience and application behaviour.
* Configured alerts and notifications in AppDynamics based on predefined thresholds and anomalies, ensuring rapid response to potential performance degradations.
* Analysed AppDynamics metrics and reports to optimize application performance, including tuning JVM settings, query optimizations, and load balancing adjustments.
* Integrated AppDynamics with other monitoring tools like Splunk and Grafana to create a unified monitoring and alerting ecosystem, enhancing operational efficiency.
* Implemented various routing mechanisms in the webpage using React JS.
* Used Node.js to offer an easy and safe way to build high-performance and scalable network applications.

**Environment**: Java, JavaScript, Microservices, JSP, Spring, Bootstrap, Typescript, React JS, Node.js, Restful, SOAP, jQuery, SSO, Hibernate, JPA, Docker, Kubernetes, RabbitMQ, GCP, Log4J, Maven, JUnit, Mockito, JIRA.

***Client: MetLife Inc. – Atlanta, GA April 2017– Dec 2018***

***Role: Full Stack Java Developer***

**Responsibilities:**

* Developed User Interface view with Spring MVC and AngularJS as a Service Oriented Architecture (SOA) application.
* Used HTML5, CSS, jQuery, Ajax and performed client-side validations using JavaScript.
* Implemented AngularJS as the framework to build a single-page application (SPA).
* Created responsive UI modules using Backbone.JS, Handle Bar JS, and Ember JS.
* Used jQuery UI plugins like Draggable, Resizable, Autocomplete, AJAX, JSON, and Angular JS in developing interactive web pages.
* Implemented Multithreading for handling multiple requests and for high performance.
* Developed RESTful services based on Spring REST using the Jersey framework.
* Implemented Internationalization using Spring MVC Interceptors, Spring core modules, and native Spring AOP facets of Logging and transactional management.
* DB2 database used to load the application data and written PL/SQL procedures, and complex queries to perform various data operations.
* Wrote Hibernate Criteria queries for data retrievals and performed the ORM mappings to map Java entities to database tables.
* We kept up the bean life cycle by utilizing Spring IOC which keeps up session information of beans.
* Implemented persistence layer using Hibernate that uses the POJOs.
* Configured multiple data sources using Hibernate Session Manager.
* Implemented Hibernate Template to a great extent making use of HQL, Named Parameters, Named Queries, and interfaces such as Expression, Query, and Criteria.
* Developed SOAP web services using JAX-WS and persistence using Hibernate and JPA framework.
* Developed Spring Batch processes for financial reporting applications.
* Message broker services are achieved in the application using Active MQ with the JMS framework.
* Implemented Spring Dependency Injection (IOC) feature of spring framework to inject beans into the User Interface and AOP for Logging.
* Build a CI/CD pipeline using Jenkins automation and GitHub repositories using the webhooks plugin.
* Integrated various third-party APIs (e.g., health data sources, payment gateways) to enhance the functionality and features of health applications.
* Ensured seamless communication between different components of the application through API integration.
* Implemented thorough testing processes, including unit testing and integration testing, to ensure the reliability and stability of health applications.
* Proficient in debugging and troubleshooting to identify and resolve issues promptly.
* Utilized version control systems (e.g., Git) to manage codebase changes and collaborate effectively with other developers and team members.
* Worked in agile environments, participating in sprint planning, reviews, and maintaining clear communication within the team.
* Performed Angular JS end-to-end testing using Protractor framework and Integration testing methods and Behavioral driven are implemented using Selenium and Cucumber respectively.

**Environment**:

Angular JS, HTML5, CSS3, AJAX, Bootstrap, JSON, XML, Active MQ, JMS, Hibernate, DB2, SOAP services, JAX-WS, JPA Framework, Spring Rest, Spring MVC, Spring Security, Hibernate, Spring IOC, Mule ESB, Jenkins, Git, Active MQ, DB2, Pivotal Cloud Foundry (PCF) server, Grunt, Jenkins, Protractor, Grunt, Selenium, Cucumber, JIRA.

***Client: State of Delaware – Wilmington, DE. Sep 2015 – Mar 2017***

***Role: Full stack Java Developer***

**Responsibilities:**

* Involved in the software development life cycle (SDLC) of the tracking systems Requirements gathering, Conceptual Design, Analysis, Detail Design, Development, System Testing, and User Acceptance Testing.
* Created collaboration diagrams, class diagrams, activity diagrams, and use case scenarios.
* Participated in technical and high-level design review meetings with business customers.
* Used WSDL and SOAP for the development of XML-based applications.
* Used JAXB for XML marshaling and unmarshalling. Worked with Oracle 10g database.
* Used JDBC to persist Java Objects into the database.
* Involved in writing complex SQL queries and developed Stored Procedures to populate the database.
* Created a plan for ensuring business continuity specifically for the SQL Server Databases, making use of JDBC drivers.
* Debugged Java classes used to modify web pages such as Business Objects and Data Access Objects.
* Utilizing HTML for web page design and Servlets and JDBC for query processing facilitation.
* Involved in daily scrum meetings and worked on the sprint tasks in Agile Scrum development.
* Used Servlets as an interface between the front and backend to handle HTTP requests and to send the response back to the front end.
* Utilized various utilities for User Interfaces like JSP, JSTL, JavaScript, HTML, CSS, jQuery, and Ajax.
* Maintained SVN repositories for branching, merging, and tagging.

**Environment**: Java 1.5, J2EE, JDBC, Servlets, XML, JAXB, HTML, CSS, JSP, JSTL, JavaScript, jQuery, Ajax, PL/SQL, Oracle 10g, JAXB, WSDL, SOAP, Log4j, JUnit, SVN.

***Client: Dollar Tree- Chesapeake, VA Oct 2013 to Aug 2015***

***Role: Java developer***

**Responsibilities:**

* Developed web application using JSP custom tag libraries, Struts Action classes, and Action. Designed Java Servlets and Objects using J2EE standards.
* Gathered business and functional requirements for process automation.
* Worked on state, specs, props, and events to create interactive ReactJS components.
* Managed application integration, deployment, and postproduction support.
* Designed the Swing application interface for user input and barcode scanning.
* Java GUI development and front-end coding involving multi-threading and custom libraries.
* Created an End-to-End Hybrid Framework using Java, Selenium, and Test-NG.
* Development using GO4 Design Patterns.
* Achieved native navigation by using react-native-navigation, and created a fork for adding features to fit design needs.
* Used WebLogic and Apache Application Server.
* Managed the asynchronous messaging for data calls/queues.
* Scanned source code and fixed the issues in code review.
* Data parsing using: XML and JSON.
* Implemented MVVM architecture using React and Redux framework.
* Used REST architecture for building Web APIs.
* Created the exception hierarchy to handle the exceptions.

**Environment**: Java, spring, MVC, JSP, HTML, CSS, JavaScript, Maven, JUnit, GitHub, JIRA, ANT.

***Client: Mavin InfoTech – Hyderabad, India Sep 2012 to Sep 2013***

***Role: Java developer***

**Responsibilities**: -

* Developed UI screens using JSP, HTML, CSS, and JavaScript.
* Worked on JSP, Servlets, Struts framework, and production support issues of the existing applications.
* Development of Action Forms, Action Servlets, Action and Validating Action Forms in Struts framework.
* Implemented Struts Dispatch Action class and form bean classes using struts framework.
* Created many Stored procedures and scheduled jobs to support our applications to create reports for customers.
* Build and maintain SQL scripts, indexes, and complex queries for data analysis and extraction.
* Develop a business continuity plan for the SQL Server Databases using JDBC drivers.
* Used spring for Dependency Injection for plugging in the Hibernate DAO objects for the business layer.
* Created an XML configuration file for Hibernate to map to SQL DB.
* Developed web services for sending and getting data from different applications.
* Used JDBC to access the Oracle database for accessing customer information.
* Used ANT-built tool for compiling and generating war files.

**Environment**: Core Java, HTML, CSS, J2EE, JSP, HTML, JavaScript, Servlets, JMS, Hibernate, JDBC, SQL, DAO, Web Services, Oracle, ANT.