**Nitish Reddy**

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**Professional Summary:**

* I have over 12+ years of experience in IT, specializing as a Full Stack Developer in Java/J2EE for enterprise applications. My skills include analysis, design, development, implementation, and testing of client/server, 3-tier, and n-tier applications. I am well-versed in the entire Software Development Life Cycle (SDLC), utilizing Object-Oriented Analysis and Design with Core Java/J2EE.
* I have extensive knowledge and experience in Java Application Development, Distributed Applications, Object-Oriented Applications, and Internet/Intranet-based Database Applications. I am familiar with modern software practices such as TDD, CI/CD, paired programming, XP, and BDD. I am highly organized, capable of prioritizing workloads, managing multiple projects, and meeting deadlines.
* My expertise lies in bash and python scripting, with a focus on DevOps tools, CI/CD Architecture, and hands-on engineering. I adhere to Python best practices (PEP-8 Guidelines) and possess experience with API security technologies like OAuth2 and JWT. I am skilled in Microservice development using Spring Boot and Spring Cloud with Netflix Libraries.
* My proficiency also extends to Core Java concepts such as asynchronous programming, multithreading, collections, and various design patterns.
* I have a strong background in AWS modules including EC2, RDS, S3 Bucket, DynamoDB, Lambda, Cloud Watch, and Code Pipeline. Moreover, I have experience in setting up CICD Pipelines using Jenkins and utilizing container orchestration tools like Docker and Kubernetes.
* Designing, developing, debugging and deploying software for server-side development using Java/Kotlin as the primary language.
* In terms of UI technology stack, I have extensive experience with JavaScript (ES5/ES6), JavaScript frameworks, JQuery, HTML5, CSS3, Node JS, AngularJS, Angular, React JS, Redux, Ng Rx Store, EJS, and Bootstrap. I have written Java scripts for parsing XML documents and loading data into databases. Additionally, I have server-side programming expertise in NodeJS. I am well-versed in XML, Web Services (SOAP, XML-RPC, JAX-RPC, JAX-WS), and Apache Camel. I am also knowledgeable about PCI, PII compliance, and Mutual Authentication.
* I am adept at working in fast-paced, agile software development environments, collaborating closely with technical teams and product owners. I have experience utilizing SAFe (Scaled Agile Framework). Furthermore, I possess extensive knowledge of XML-based standards and protocols (such as WSDL and SOAP), SOA (Service-Oriented Architecture), and development of XSD schemas for implementing SOAP web services.
* I have utilized frameworks like Struts, Struts validator framework, Hibernate, and OR-mapping, as well as Spring and build tools like ANT, Maven. I am familiar with logging frameworks like Log4J and Splunk. My expertise extends to Object-Oriented Analysis and Design (OOAD) using Unified Modeling Language (UML).
* In terms of databases, I have experience working with PostgreSQL and backend data stores. I am well-versed in version control systems including CVS, SVN, and GIT. Additionally, I possess in-depth knowledge of core concepts in Java and J2EE technologies such as JSP, Servlets, EJB transaction implementation (CMP, BMP, Message-Driven Beans), Java Beans, JDBC, XML, RMI, Web Services, and Multi-Threading.

**TECHNICAL SKILLS:**

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| **Programming Languages** | Python, Core Java, Java, J2SE, J2EE, C, C++, PL/SQL, Perl, Shell Scripting |
| **Java EE/J2EE Technologies** | JSP, Servlets, EJB, JDBC, RMI, JNDI, JDBC, JMS, JSTL, MVC, Struts, Java Beans, Log4j, Ext.Js, Kotlin |
| **Web Technologies** | JavaScript (ES5/ES6), Backbone JS, XML, HTML5, CSS3, XHTML, XML Schema, DHTML, JSON RPC, AJAX, jQuery, Web Socket, Angular JS, Angular, ReactJS, XSL, XSLT, SED, DTD, Angular 8/9, Three JS, SOAP, Node JS, JSON, Restful web services (API), Junit. |
| **Source Control Tools** | CVS, SVN, VSS, Rational Clear Case, Source Tree, Stash-Git, CICD |
| **Frameworks** | Struts, Hibernate, JSF, Spring Dependency Injection, Spring MVC, Spring Security, Spring Core, Spring Context, spring AOP, Spring DAO, Spring IOC, Spring JDBC, Spring Cloud, Spring Framework 3.x/4.x/5.x, |
| **Web/Application Servers** | Oracle WebLogic Application Server, IBM WebSphere Application Server, Apache Tomcat Webserver, Node JS, JBoss Application Server |
| **Design Patterns** | MVC, Front Controller, Session Façade, Singleton, Business Delegate and DAO patterns |
| **Databases** | MySQL, Oracle, MS SQL Server, DB2, Cassandra, PL/SQL, MongoDB, DynamoDB, Couch base, Toad, MS Access, MySQL, MS SQL Server, Cassandra |
| **IDE Tools** | Eclipse, My Eclipse, RAD, NetBeans, IntelliJ, MS Visual Studio, Web Storm, Brackets, TFS. |
| **Web Services** | SOAP, Restful, JAX-B, JAX-RS, WSDL, AWS, Apache Axis, XML, XHTML, XSLT and JAX-WS |
| **Build and Performance Managing Tools** | Ant, Maven, Gradle, Jenkins, JIRA, BART |
| **Version Control** | SVN, CVS, JIRA, Clear Case, GIT, Bitbucket, GitHub. |
| **Operating Systems** | Windows, Linux, UNIX |
| **Http protocols** | gRPC, Protocol buffers, HTTPS, HTTP2, HTTP3, Web Sockets, Webhooks |
| **IDE** | Eclipse, Web Storm, IntelliJ, NetBeans, Visual Studio code. |
| **Cloud Services** | Amazon Web Services (AWS), Azure |
| **Monitoring/Logging** | Prometheus, Zipkin, Grafana; ELK Stack |

**PROFESSIONAL EXPERIENCE:**

**Client: Santander Consumer USA, Austin, TX Jan 2022 to Present**

**Role: Lead Java Full Stack Developer**

**Responsibilities:**

* Lead and mentored a team of Java developers, providing technical guidance, code reviews, and fostering a collaborative work environment along with developing end-to-end Java solutions.
* Recognized as the organization's Premier Support contact, opens JAVA cases, and follows up until the problems are fixed
* Created and built dependable APIs and integration modules to link the payment gateway with other payment processors, enabling support for a variety of payment options such as bank transfers, credit cards, and digital wallets.
* Designed, developed, and maintained a Wealth Management Microservices Platform using Java, Node.js, and React. A robust and scalable platform for managing client portfolios and providing personalized financial advice.
* By Using Spring JDBC, EJB, and custom framework I created a system that was capable of handling high-volume transactions.
* Worked on Active MQ Messaging Service for Integration Worked with SQL queries to store, and manipulate the data in MS SQL Server, DB2.
* Deployed Java applications on Kubernetes clusters, including setting up deployment pipelines, configuring container images, and managing environments.
* Using AWS Connect, I have implemented cloud-based contact centers that scale effortlessly to handle fluctuating call volumes, ensuring uninterrupted customer service.
* Implemented frontend features using technologies like HTML5, CSS3, JavaScript, and modern frontend frameworks like Angular, React, or Vue.js.
* Created React JS components using JSX, Followed Redux Architecture for unidirectional data flow and manage your data in React and Make HTTP requests in React & Redux.
* Worked in using React JS components, Forms, Events, Keys, Router, Animations.
* Used Restful web services to call for POST, PUT, DELETE and GET methods.
* Used AngularJS, as the development framework to build Single-page applications (SPA).
* Used Oracle as a database to store application data, such as user information and transaction data.
* Designed and implemented microservices architecture for the Platform using Java and Spring Boot.
* Developed RESTful APIs for seamless integration and communication between various microservices.
* Created and delivered highly efficient application-based solutions using React on the front end and Java on the back end to optimize the company’s transaction handling process.
* Created reusable React components and managed application state with Redux.
* Created and delivered highly efficient application-based solutions to optimize the company’s transaction handling process.
* Designed and developed the persistence layer using Hibernate persistent objects, for interaction with the databases.
* Used Spring Kafka API calls to process the messages smoothly on Kafka Cluster setup.
* Utilized AWS Connects Interactive Voice Response (IVR) system to design customizable call routing flows, ensuring customers are directed to the most appropriate agents or self-service options
* Involved in writing Java API for Amazon Lambda to manage some of the AWS services.
* Used MQ (Message Queues) for handling messaging systems and reliable communication between components.
* Employed Java/J2EE, and Spring Boot, and implemented REST web services based on RESTful APIs for designing and developing micro service business components.
* Implemented React router for building the single-page application.
* Developed single-page applications using the React.js JavaScript library.
* Using Spring Security, implemented RESTful Web services to handle security and authorization, processed data for project delivery to clients, and made REST API requests.
* Utilized AWS Lex and AWS Connect to design and develop sophisticated conversational interfaces and interactive chatbots.
* Responsible for the creation of microservices with spring boot and spring cloud and deployment to AWS.
* Utilized Kudu, Hue, Impala, and Vertica to manage and analyse large datasets efficiently.
* Integrated EFK (Elasticsearch, Kibana stack as the logging solution for the deployed Kubernetes cluster.
* Implemented a CI/CD pipeline with Docker, Jenkins, and GitHub by virtualizing the servers using Docker for the Dev and Test environments by achieving needs through configuring automation using Containerization.
* Developed API for using AWS Lambda to manage the servers and run the code in AWS, deployed configs, wars, and jars to AWS S3 buckets, and manage versioning.
* Designed and developed the framework to consume the web services hosted in Amazon EC2 instances.
* Used Node.js as a proxy to interact with the Rest of services and interacting with the database.
* By leveraging AWS Connects real-time and historical metrics, I have implemented dynamic call queue management, ensuring optimal resource allocation and reducing customer wait times.
* Used SQL and NoSQL databases, allowing me to design and implement database solutions that cater to different data models and use cases.
* Integrated AWS Lex into various applications to enable natural language processing and efficient user interactions.
* Managed configuration of Kafka Cluster, Brokers, and Topics, using Kafka Consumer, Producer, and Streams API.
* Used React JS to create custom components for data manipulations and to display data in company standard format.
* Responsible for validation of Client Interface HTML pages using JavaScript and jQuery.
* Used Hibernate, object/relational-mapping (ORM) solution, the technique of mapping data representation from MVC model to Oracle Relational data model with a SQL-based schema.
* Developed scalable and personalized customer service solutions, facilitating seamless communication between customers and agents.
* Created various template and data-driven form components using React Forms and define module-level routing for various components in the application using React Router.
* Used Jira to break down development work into smaller tasks and sub-tasks. Assigned tasks to team members, set due dates and tracked their progress.
* Used React JS to create views to hook up models to the DOM and synchronize data with the server as a Single Page Application (SPA).

**Environment: JAVA 1.8, J2EE, Tomcat, Hybernate, Kubernetes, Spring boot, HTML5, CSS3, Javascript, Docker, MongoDB, AWS, AWS Lambda, AWS EC2, S3 Bit Bucket, PostgreSQL, Code Cloud, React, Angular, Node.js, Micro Services, Jenkins, JIRA, Mocha, Restful Web Services, UNIX, Java Email, PL/SQL, Maven, Gradle, Mockito, Junit, HTML5, CSS3, JavaScript, jQuery, Java Server Pages, Ajax, Git Hub, Bootstrap.**

**Client: AMEX, phoenix, AZ Nov 2019 to Dec 2021**

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

**Responsibilities:**

* Developed J2EE compliant Java code for application development, utilizing JSP, Servlets, JDBC, XML, and EJB.
* Involved in the development of a Microsite portal using the Spring Boot framework.
* Designed and developed the application using the Agile-Scrum methodology.
* Implemented features such as logging and user session validation using the Spring AOP module.
* Designed the user interface using HTML, XHTML, CSS/CSS3, jQuery, JavaScript, AJAX, JSP, JSF, Angular, and XML, with a responsive grid layout. Implemented a responsive design template using Bootstrap and HTML5.
* Developed view-controller components using Servlets/JSPs, JavaScript, jQuery, CSS, HTML, and DHTML.
* Implemented routing logic, navigation between screens, and client-side login functionality using Angular.
* Designed and implemented the infrastructure on AWS cloud, with experience in Amazon Web Services (AWS) and Microsoft Azure.
* Built Lambda functions to save data snapshots into AWS S3 buckets using Node JS.
* Built backend REST API with Node JS, Express JS.
* Upgraded UI screens to a single-page UI using Angular 7, HTML5, and CSS3.
* Utilized Postman with JSON to test the application's request and response.
* Designed and developed objects using object-oriented design principles in Java.
* Worked with XML technologies, such as XML parsers and JAXB, for binding data to Java objects.
* Implemented Spring AOP programming to configure logging for the application.
* Implemented JMS for notifications and performed testing using JUnit and mock cases.
* Developed the application using Angular, Spring, HTML, Bootstrap, CSS, and JavaScript.
* Created and implemented microservices using Spring Boot, REST, and JSON.
* Utilized Maven extensively for building and deploying the application on an embedded Tomcat server.
* Configured session timeout with Spring Boot on the server-side and implemented auto logout functionality.
* Involved in creating and deploying REST APIs and microservices in Java J2EE using Spring Boot.
* Developed server-side applications using Node.js.
* Used Angular as the development framework to build single-page applications.
* Created reusable components using Angular for DOM manipulation.
* Worked on Kafka Backup Index and gained in-depth knowledge of Apache Cassandra.
* Created various MongoDB collections and wrote services to store and retrieve user data from devices. Used the Mongoose API to access MongoDB from Node.js.
* Deployed Docker containers with both monolithic and microservices architecture on AWS EC2 using Amazon Web Services (AWS).
* Used JAX-B Web services for converting JAX-B to domain objects and vice versa.
* Worked with ActiveMQ and Kafka Java APIs for building application queues in a service-oriented architecture (SOA) platform.
* Developed components of web services (JAX-WS, REST, JAX-RPC, Apache CXF) end to end, using different JAX-WS standards and understanding WSDL, SOAP, and various message exchange patterns.
* Developed XML web services for data transfer between client and server using Apache Axis SOAP, WSDL, and UDDI. Tested the web services with SOAP UI.
* Implemented microservices based on RESTful APIs using Spring Boot with Spring MVC.
* Utilized Log4j for logging and tracing application log messages during debugging.
* Designed and created various tables necessary for the project in an Oracle database, ensuring proper data organization and efficient storage.
* Prepared JUnit test cases to verify the individual units of code and ensure their functionality.
* Developed integration test cases to test the interaction and integration between different components of the application.
* Integrated the JUnit and integration test cases with Jenkins, a continuous integration and delivery tool, to automate the testing process and enable regular and reliable testing of the application.

**Environment**: Java, JSP, JQuery, JSON, Elastic, Spring Boot, Spring IOC, Spring MVC, Spring AOP, Spring ORM, React JS, Node.JS, Microservices, XML, SOAP Web Services, JMS, Agile, XPATH, Hibernate, Maven, GIT, Oracle, Tomcat, Log4j, GIT, JIRA, Oracle, Windows/Linux

**Client: Community Health Choice – Houston, TX Nov 2017 to Oct 2019**

**Role: Java Full Stack Developer**

* Worked on the development of a Clinical Decision Support System and created a Java and Angular-based application that uses real-time patient data analysis to help healthcare professionals make decisions about patient care.
* Involved in the development of Financial Systems Micro Services using Java.
* Worked with AWS API Gateway for implementing the Microservice architecture and utilized ECS to deploy the Docker containers onto the servers.
* Involved with java full stack development like HTML, CSS, JavaScript and jQuery with Mongo DB and backend technologies like J2EE, Web services, Ajax, jQuery for monitoring the data flow between systems.
* Architect Java EE API’s: Restful Web Services (JAX-RS) and SOAP Web Services (JAX-WS) for load balancing and file processing.
* Develop/enhance Restful API which is exposed externally/internally
* Developed java micro services build Jenkins CI-CD pipeline and host these applications on ECOMP DCAE D2 VMs that are containerized with docker and Kubernetes containers.
* Developed plugins to interact from Jenkins to AWS. Set up/Onboard new projects, Components to continuous Integration, and continuous Deployment/Delivery using DevOps automation.
* Worked on React.JS components, Forms, Events, Keys, Router, Animations and Redux concept.
* Configured JDBC resources, and data sources and bounded to the J2EE applications, configured the connection pools for the various data sources.
* Designed, and developed the Micro Services using Spring framework and designed the application for consuming the microservices.
* Worked with AWS cloud service in creating EC2 instances and providing them roles and sometimes participated in writing custom policies and deployed applications on Elastic Bean Stalk and EC2.
* Created Spring RESTful web services using Jersey Spring implementation to transport XML and JSON content.
* Involved in writing Java API for Amazon Lambda to manage some of the AWS services.
* Developed Spring RESTful web services to deliver XML, and JSON content using Jersey Spring implementation.
* Created the React JS components and triggered Angular code to render the React components using life cycle hooks.
* Developed an internal application using Java connecting to AWS on the backend.
* Developed multiple full-stack web apps that processed, analyzed, and displayed financial data for a variety of clients.
* Implemented modules into Node JS to integrate with designs and requirements.
* Implemented RDMS and Oracle as resource tier and developed PL/SQL Stored procedures, Function and Event Triggering in add, update and retrieval modules.
* Integrated third-party systems such as electronic health records (EHRs) and billing systems with custom Java applications using APIs.
* Created various server APIs to collect and transmit data to various existing healthcare systems.
* Implemented Services by using Http Client Module in Angular for making the API calls and inject data into the required components.
* Used Spring Boot and Spring REST to split up a legacy web application into numerous modules.
* Developed Entity Java Beans (classes to implement various business functionalities (session beans).
* Designed RESTful HTTP API for client and financial data (Node.js), as well as various APIs for other services and integrations (Scala/Spray)
* Used Angular JS MVC architecture for two-way binding of the date model to view and vice versa.
* Integrated with MySQL DB with Node.js using sequelize ORM
* I updated the order management system which is currently built with Angular 11/12/13/14, NGRX Store, Rx JS 6, Angular Material and SCSS.
* Implemented Ng Rx store to maintain the state of the application and store results of the data retrieved from back-end.
* Provided a responsive, AJAX-driven design using JavaScript libraries such as Angular.Js, Node.js, D3.js, Backbone.js, Bootstrap.js and Bootstrap.js
* Developed REST controllers using Spring Data REST to serve the UI with required JSON data.
* Implemented various screens for the front end using React JS
* Build application and database servers using AWS EC2 and create AMIs also using RDS for Oracle DB.
* Mentored junior developers on best practices for integrating Java applications with AWS Step Functions and provided technical support.
* Implemented asynchronous programming techniques in Node JS (v14.17.0) to handle large volumes of data and improve performance.
* Created Kafka producer API to send live-stream data into various Kafka topics.
* AWS Cloud Management and responsible for code build, release, and configuration on Amazon EC2.
* Involved in Delivering RESTful Java microservices using the Spring framework.
* Maintained Kafka Cluster by creating Topics. Partitions for point-to-point messaging.

Environment: JAVA 1.8, J2EE, Tomcat, Hybernate, Kubernetes, Docker, MongoDB, AWS, AWS Lambda, AWS EC2, S3 Bit Bucket, PostgreSQL, Code Cloud, React, Angular, Node js, Micro Services, Jenkins, Restful Web Services, UNIX, Java Email, PL/SQL, Maven, Gradle, Mockito, Junit, Spring boot, HTML5, CSS3, JavaScript, jQuery, Java Server Pages, Ajax, Git Hub.

**Client: Orion Limited – Hyderabad, India Jul 2014 to Aug 2017**

**Java Developer**

**Responsibilities:**

* Implemented and integrated Spring Framework with Struts.
* Worked on spring framework for dependency injection, transaction management and AOP.
* Used Spring Framework for Dependency injection and integrated with the Struts Framework and Hibernate.
* Designed and coded Business Classes using Spring IOC and AOP features.
* Created connections to database using Hibernate Session Factory, using Hibernate APIs to retrieve and store data to the database with Hibernate transaction control.
* Involved development of front-end components using JSP, JavaScript, and Java.
* Designed and developed all components JSP, controller, spring configuration, and DAO and Hibernate configuration for various modules.
* Interpreted and manipulated spring and hibernate configure files.
* Developed and Refracted the Action Servlets and JSPs using Struts following MVC architecture.
* Used Hibernate framework for back end development and Spring dependency injection for middle layer development.
* Used Core Java (Collections, Multithreading, Concurrency) while working on various applications.
* Developed User- Interface screens involving Servlets, JSP, JavaScript and XML DOM parser.
* Used JSON as response type in REST services.
* Implementation of XSLT processing on server with JSP and WebSphere.
* Wrote Database objects like Triggers, Stored procedures in SQL.
* Used Spring MVC framework controllers for Controllers part of the MVC.
* Application was designed and developed using the Spring framework
* Implemented various Java design patterns like Front Controller, Service Locator, Business Delegate and Data Access Object, Factory Pattern, Session Façade, etc.
* Created user-friendly GUI interface and Web pages using HTML and DHTML embedded in JSP.
* Managed Object Persistence, Data retrieval using Hibernate, Spring Framework with SQL Server as backend.
* Using OOAD Technology classes are designed in UML with the help of Rational Rose tool.
* Develop UML diagrams like use case, sequence, class diagrams and design documents.
* Used ANT scripts to build the application and deployed the application on the application server.

**Environment:** Java, EJB, Struts, Core Java, AJAX, Hibernate, Spring, JSP, Servlets, JMS, XML, SOAP, WSDL, JDBC, JavaScript, UML, HTML, CVS, Log4J, JUnit, Rational Rose, Oracle, UNIX.

**Client: Honeywell Corporation, India Apr 2011 to Jun 2014**

**Java/J2EE Developer**

**Responsibilities:**

* Involved in the analysis, design, and development and testing phases of Software Development Lifecycle (SDLC) using agile development methodology.
* Implementing Servlets, JSP and Ajax to design the user interface.
* Used JSP, Java Script, HTML, and CSS for manipulating, validating, customizing, error messages to the User Interface.
* Maintained the existing code based developed in spring and Hibernate framework by incorporating new features and fixing bugs.
* Designed and developed all the user interfaces using JSP, Servlets and spring framework.
* Created an XML configuration file for Hibernate for Database connectivity.
* Developed custom controllers for handling the requests using the spring MVC controllers.
* Developed Client Side Validations using Java Script and server side validations using Struts validation framework.
* Extensively used the JSP in the view side of MVC.
* Used Struts tag libraries, JSTL and created web interfaces using JSP technology.
* Developed the dynamic User Interface using JSP utilizing Custom Tag Libraries, HTML, CSS, and JavaScript.
* Developed a web-based reporting for monitoring system with HTML and Tiles using Struts framework.
* Expertise in developing integration services in SOA by offering Web Services based on XML communication on SOAP Layer.
* Used the RAD for creating and deploy the application on IBM Web Sphere Application Server.
* Incorporated JUnit into the code to do the unit testing around the developed module.
* Used JDBC connection and access database procedures.

**Environment:** J2EE, HTML, CSS, JavaScript, AJAX, Servlets, Spring Framework, JSP, Windows