**Hemanth Nalluri**

**Oracle Certified Java Programmer**

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**PROFESSIONAL SUMMARY:**

* **10 + years of experience** in comprising **Java/J2EE** enterprise web application design, Object-Oriented Applications development, maintenance & support involving all **SDLC** activities like requirements analysis, design, implementation, reviews, unit testing, integration testing, and production deployments.
* Expertise in developing **Monolith**, **Service Oriented Architecture** (SOA), and **Microservices** (Domain-driven Design methodologies) architecture.
* Expert **Systems Analyst** with extensive experience in analyzing and designing complex business systems using J2EE/Java, ensuring alignment with business goals and operational requirements.
* Experience in developing front-end/UI using the latest Angular Framework features and **Bootstrap** library, **HTML, HTML5, CSS, JavaScript, jQuery, Angular JS, AJAX, JSTL and JSON.**
* Experience working on MVC patterns using **AngularJS**, creating user interfaces and single-page web applications.
* Experienced in implementing core Technologies such as **JAVA (Java8), J2EE, Web Services (REST and SOAP), Spring Framework (Spring Boot, Spring Batch, Spring Data, Spring Cloud, Spring Security, Spring Actuator, and Spring Boot CLI).**
* Proficient in Core Java concepts including **Multithreading, Concurrency, File Handling I/O, Generics, Data Structures and Collections, and Garbage Collection**, with hands-on experience in Java 8 features such as **Parallel Streams, Lambdas, SOLR interfaces,** and channels.
* Experience in JVM Performance Tuning: **Garbage Collector and Heap Analysis, Thread dumps, Heap dumps, Memory Leaks, Connection Leaks, Core Dump, Profiling, and Refactoring.**
* Good experience working with **Amazon Web Services** like **EC2, S3, Amazon Simple DB, Amazon RDS, Amazon Elastic Load Balancing, Amazon SQS, AWS Identity and Access Management, AWS Cloud Watch, Amazon EBS, and Amazon CloudFront**.
* Having hands-on Experience developing applications using **Active Directory Blob storage and Key Vault,** deploying applications in **Azure App Services, and AKS clusters** (Docker and Kubernetes).
* Experience and knowledge in Microsoft Azure tools such as **Azure DevOps, and App Services**.
* Expertise in building **microservices** utilizing the **Pivotal Cloud Foundry** (PCF) as a platform and a service for RESTful Microservice development and deployment.
* Worked with different messaging technologies like **JMS, RabbitMQ, and Kafka**.
* Have good experience in developing **Kafka producers and consumers** to send and receive messages from **Kafka** topics and configuring and managing Kafka topic partitioning and replication for data redundancy and load distribution.
* Having good Knowledge of NoSQL databases like **DynamoDB** and **MongoDB**.
* Experienced in writing **SQL queries, Procedures, Functions, Triggers**, and good knowledge of Relational databases **(Oracle, MySQL, Microsoft SQL Server, PostgreSQL, and DB2**).
* Worked on **Hibernate** for mapping the Java objects to relational database and SQL queries to fetch the data and insert and update the data from the database.
* Experience in the design and maintenance of database platforms like **JDBC and Hibernate**.
* Experience using Web/Application servers like **WebLogic, JBoss, Glassfish, and Tomcat**.
* Experience in writing **ANT, Maven** build scripts, providing a logging facility using **Log4j**, and Writing JUnit test cases.
* Expertise in using servers like **Apache Tomcat, JBoss, and WebLogic** to configure and deploy applications.
* Strong knowledge of **JavaScript** Unit testing with **Jasmin, Karma**, and **Protractor** for **Angular** and **Cucumber** for web services automation.
* Experience in writing test cases in a Java environment using **Junit, Mockito, and Power Mock**.
* Experience in **Splunk** log Monitoring, designing dashboards and Alerts based on the application requirements.
* Collaborated on **C#** development initiatives, contributing to creating **Avro payloads** for efficient data serialization and deserialization.
* Experience in using **Jenkins** for Continuous Integration and Sonar jobs for Java code quality.
* Integrated Java applications with **Terraform** to automate infrastructure provisioning, deployment, and scaling based on application needs.
* Spearheaded **Docker** platform utilization, orchestrating the creation of Docker images and deploying a Docker registry to streamline application deployment and management processes.

**EDUCATION:**

 Bachelor of Technology from R.V.R. & J.C College of Engineering (ECE), Guntur, India

 Master’s in information systems Northwest Missouri State University Maryville, Mo

### Certifications

* **Oracle Certified Java Programmer, Java Standard Edition 6 Programmer Certified (OCJP 6)**
* **Oracle Certified Expert, Java EE 6 Web Services Developer**
* **Microsoft Certified: Azure Fundamentals (AZ-900)**
* **Certified AWS Developer – Associate.**

**TECHNICAL SKILLS:**

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| --- | --- |
| **Programming Languages** | Java (1.6/1.8/11/13/17), JavaScript, PHP, PL/SQL, UNIX Shell Script. |
| **Java/J2EE Technologies** | Servlets, JPA, JTA, JDBC, JSP, JSTL, Applets. |
| **Frameworks** | Spring Boot, Hibernate, Spring, Spring Batch, Spring Security, Spring AOP, Spring Core, Spring IOC, JSF. |
| **Web Technologies** | HTML, HTML5, CSS/CSS3, AJAX, jQuery, Bootstrap, XML, JSON. |
| **Database** | PostgreSQL, Cassandra, SQL Server, MySQL, Oracle, MongoDB, DB2 |
| **JavaScript Frameworks** | Angular, AngularJS, React.js, Node.js, Backbone.js |
| **Web Services** | XSD, WSDL, Apache Axis, SOAP, Restful, GraphQL, JAX RS, JAX WS |
| **Messaging** | JMS (Java Message Service), IBM MQ, Apache Active MQ, Apache Kafka. |
| **WebApplication Servers** | Oracle WebLogic, IBM WebSphere, Apache Tomcat  |
| **Methodologies** | Agile, Waterfall, OOAD, SCRUM. |
| **Testing Tools** | JUnit, Mockito, Jasmine, Karma, Mocha, Chai, Selenium. |
| **Version Control** | GIT, SVN, GitHub |
| **Build Tools** | Maven, Gradle, ANT |
| **IDEs** | IntelliJ IDEA, Spring Tool Suite (STS), Eclipse IDE |
| **Operating Systems** | Windows, Linux, and UNIX |

**PROFESSIONAL EXPERIENCE:**

***Client: Blue Cross Blue Shield of Michigan Duration: Feb 2022 – Till now***

***Location: Remote***

***Role: Sr. Software Developer***

**Responsibilities**:

* Developed responsive UI web pages using XHTML, HTML5, CSS3, Angular, JavaScript, Bootstrap, jQuery, JSON, and XML.
* Worked with **Angular**, and **MVC** framework including complex directives, services, controllers, and filters.
* Developed the Initial Angular project structure and integrated Angular proxy to avoid CORS browser issues.
* Implemented Angular material for creating global button modules, footer, header, and custom form validations for user registration and user login.
* Implemented **RESTful Web services** to retrieve data from the client side, made REST API calls from Angular parsed the data to project to the client, and handled the **security** and **Authorization using Spring Security** and **OAuth2**.
* Designed and developed **Microservices** using REST framework and Spring Boot and used Bootstrap and Angular to create the Application.
* Used **Java 1.8 and 17** features like parallel streams and filters through **lambda** expressions to handle searching.
* Collaborated on **C#** development initiatives, contributing to the creation of **Avro payloads** for efficient data **serialization** and **deserialization**.
* Designed and developed **Microservices** business components and RESTful service endpoints to connect with backend systems using Spring boot.
* Developed **Hibernate** with Spring Integration as the data abstraction to interact with the SQL Database.
* Developed the data pipeline by implementing **Kafka** producers and consumer brokers.
* Implemented **Log4j** framework for efficient logging of application messages and utilized Kibana for log message analysis and monitoring.
* Developed **PostgreSQL** functions and stored procedures to optimize database operations and ensure data integrity and consistency.
* Managed **S3 buckets** to store and organize patient data securely in the cloud environment.
* Deployed Spring Boot-based microservices **Docker** and **Amazon EC2** container using AWS admin console.
* Responsible for maintaining and expanding AWS (Cloud Services) infrastructure using AWS Stack especially worked with database setup and maintenance and created AWS EC2 instances.
* Developed AWS Lambda-based Microservices interacting with DynamoDB & SNS/SQS using AWS-SDK.
* Managed feature branches, release branches, and hotfix branches effectively using **Git flow** or similar branching strategies.
* Used **Multithreading** and JDBC to process the Bulk Disclosure files.
* Configured **Azure Pipelines** and established the transmittal pipeline for streamlined CI/CD processes, ensuring smooth application deployment and release management.
* Integrated **Junit**, **Mockito**, and **SonarQube** plugins in Jenkins for automated testing and Code quality checks.
* Application **Implemented** using **multithreading, Serialization, Externalization, Collection, Generics.**
* Worked with the **EKS** platform in managing **Docker** containers and **Kubernetes** Clusters.
* Created and executed test cases using the **Mockito** framework to ensure the reliability and functionality of developed components.
* Configured **Terraform** scripts to automate **Iron.io** job deployment, enhancing scalability and reliability in job execution.
* Configured PCF-managed **PostgreSQL** database instances for persistent storage, ensuring data integrity and high availability.
* Implemented database backups and disaster recovery procedures to ensure data availability and integrity in case of failures.
* Worked on resolving **Git and GitHub** issues, such as rebase conflicts and repository permissions.
* Extensively used **SoapUI** and **Postman** for API testing **Cucumber** for end-to-end testing, and **Jasmine and Karma** for UI testing.
* Actively participated in team meetings, brainstorming sessions, and knowledge-sharing activities to foster a culture of innovation and collaboration.

 **Environment**: Java 1.8/17, Spring Boot, Microservices, HTML5, CSS3, AJAX, jQuery, Node JS, Hibernate, Bootstrap, Servlets, Angular 11, JSF, JavaScript, XML, XSLT, CXF, XPATH, Kubernetes, REST, Docker, Terraform, Hive, Citus, IBM WebSphere, JMS, Maven, AWS, Azure, Postman, JUnit, Mockito, GIT, Jira, EMMA, IntelliJ.

***Client: Discover Financial Services Duration: Jun 2020 – Jan 2022 Location: Chicago, IL***

***Role: Sr. Software Developer***

 **Responsibilities:**

* Involved in (SDLC) Requirement Analysis, Design and Develop and Implement the application using J2EE technology.
* Used advanced **Java 1.8** features like **Lambda** expressions for array operations, collections, enhanced concurrency methods, etc., throughout the application for well-defined programming.
* Implemented core features of the Angular 8 framework such as dependency Injection, Formatting, Filters, Directives, Templates, and services.
* Implemented **Angular 8** services to connect the web application to back-end APIs to POST/GET the data used in the application.
* Implemented the Routing part of the application using Angular 8 UI router module, routing provider service with HTML views/CSS styles.
* Created **Angular 8** components, implemented interpolation, input variables, Bootstrapping, Router Outlet, binding the events, and decorators.
* Developed responsive and user-friendly web applications using **React.js**, leveraging its component-based architecture and virtual DOM for efficient UI.
* Designed and implemented reusable UI components and libraries in **React.js**, adhering to design systems and style guides to maintain consistency and scalability.
* Integrated messaging systems such as **Kafka** and **RabbitMQ** to enable asynchronous communication and event-driven architecture between **microservices**.
* Designed and implemented messaging systems utilizing **Apache Kafka**, showcasing expertise in building real-time streaming applications in Java.
* Demonstrated proficiency in utilizing **Kafka APIs** and understanding its distributed architecture, including components such as brokers, producers, consumers, and topics.
* Used new Java 8 features, such as Lambda expressions, Streams, and Functional Interfaces.
* Developed application using **spring MVC, Spring Batch, JSP, JSTL, and AJAX** on the presentation layer, the business layer is built using spring.
* Developed UI navigation using **Spring MVC** architecture. Created JSF components for the presentation layer.
* Implemented **Micro-services** using the Pivotal Cloud Foundry platform built upon Spring Boot Services.
* Used **Spring Boot** to create stand-alone spring applications.
* Used **Multithreading, Abstraction, Interface, and Collection frameworks** with various data structures for writing code.
* Developed the UI Screens using JSP, **JavaScript**, and **HTML5** and did the client-side validation with the JavaScript.
* Experienced in Amazon AWS Cloud infrastructure services like **EC2, VPC, S3, SNS, SQS, IAM, RDS, SES, Route53, Cloud Watch, CloudFront, Elastic Load Balancers and Cloud**.
* Deployed the application on **Amazon Web Services (AWS)** and used it to provide a large computing capacity for scalable solutions.
* Created the **Docker** containers and Docker consoles for managing the application life cycle.
* Configured **Azure Load Balancer** to distribute traffic across multiple application instances, improving application performance and availability.
* Implemented **Azure Active Directory** to manage user authentication and access control for the application, improving security and compliance.
* Utilized **Azure Key Vault** to securely store and manage application secrets, such as API keys, passwords, and certificates.
* responsible for converting automation scripts to the new framework using **Selenium** Web Driver, Java, and TestNG.
* Experience with containerization technologies, including **Docker, Kubernetes**, or Rancher. Well-versed with OpenStack-based cloud infrastructure.
* Involved in integrating **Git and GitHub** into development workflows and continuous integration pipelines.
* Used **log4j** to log all error messages of the application along with debugging purposes.
* Involved in Unit testing of application using **JUnit** built the package using **Maven** and deployed the application onto WebLogic App Server.
* Involved in Creating **MongoDB** topics, partitions, and writing custom practitioner classes.
* Followed AGILE (SCRUM) methodologies, had sprint planning every two weeks, and set up daily meetings to monitor the status.
* Participated in the status meetings and status updates to the management team.

 **Environment:** Java 8, Spring, Spring Boot, Hibernate, HTML5, Angular 8, CSS3, JavaScript, Micro-services, ReactJS, AJAX, JSON, XML, DAO, SOAP, Java Beans, Docker, Kubernetes, Microservices, Pcf, Jenkins, Maven, EJB, Log4j, JUnit, AWS, Azure, MongoDB, SQL, Agile and Windows.

***Client: eviCore Healthcare Duration: Jan 2019 – May 2020***

***Location: Franklin, TN***

***Role: Sr. Software Developer***

**Responsibilities:**

* Interacted with the business analysts to gather the requirements and understand the functional design specifications for the requirements.
* Used **Spring Framework** for Dependency Injection and integrated it with the Hibernate.
* Designed and developed Micro Services business components using Spring Boot and deployed them in the cloud.
* Developed single page applications **using Angular 4/6, Typescript, HTML5, CSS3, and Bootstrap**.
* Wrote services with **Angular 6** to store and retrieve user data from the DB for the application on devices with HTTP service.
* Implemented complex data flows and business logic using **React.js**, Redux, or similar state management libraries, ensuring efficient data handling and synchronization across components.
* Optimized **React.js** applications for performance and scalability, implementing code splitting, lazy loading, and memorization techniques to reduce initial load times and improve runtime performance.
* Used spring framework modules like **Spring Core, Spring AOP, Spring MVC, Spring Batch, Spring Security**, and Spring Boot and integration to Microservices into existing system architecture.
* Used **Hibernate** framework for back-end development and **spring dependency injection** for middle-layer development.
* Developed the Web Interface using **Spring, HTML5, CSS3, and JavaScript**.
* Implemented and tested the enterprise application with **jQuery, AngularJS, and Spring MVC**.
* Used Java Mailing or **Messaging Service** (JMS) APIs for mailing detailed notifications depending upon the success and failure once the backend process is complete and for mailing administrator of any system-related problems.
* Modified the UI screens created by a web designer using **HTML5, JSP, CSS3, Angular JS**, and **Angular 6** (for instance) on **REST API** generating the Web services classes by using Service Oriented Architecture (SOA) and maven.
* Developed web services **SOAP, WSDL**, and web services clients using JAXB and XML, implemented SOA architecture.
* Created Data Source and deployed web application in the **IBM Web sphere** application Server.
* Developed material and trained multiple teams at organizations on DevOps on multiple platforms including **Azure DevOps, Jenkins, Octopus**, and others for on-prem and cloud architecture.
* Developed **EJB MDBs** and message queues using **JMS** technology.
* Used **Log4j** for External Configuration Files and debugging.
* Wrote test cases in **JUnit** for unit testing of classes.
* Involved in RDBMS database design using SQL, to write Stored **Procedures, Functions, Triggers, and prepared Statements.**
* Actively participated in daily SCRUM meetings to produce quality deliverables within time.
* Monitored team members to follow standards, and guidelines and use new tools.

**Environment:** J2EE, Spring, Spring Boot, AngularJS, Angular 4/6, Hibernate, DOM, SOAP, WSDL, JAX-B, XML, IBM WebSphere, EJB, Log4j, JUnit, SQL, Agile, Windows and AZURE.

***Client: Walmart Duration: Feb 2018 – Dec 2018***

***Location: Bentonville, AR***

***Role: Sr. Software Developer***

**Responsibilities:**

* Involved in various phases of the Software Development Life Cycle (SDLC) of the application Requirement gathering, Design, Analysis, and Code development.
* Involved in production support activities performance tuning and process improvements.
* Worked on the front end, business, and persistence tier using the JSP, Java Script, and hibernate frameworks.
* Web application development for backend system using **Angular 2/4, Node.JS** with cutting-edge **HTML5 and CSS3** techniques.
* Used **HTML5, CSS3, JavaScript, Angular 2/4, jQuery** to create design layout with JSP.
* Involved in application performance tuning, monitoring the end-of-day load and application behavior using JProfiler.
* Developed **Microservices & APIs** using **Spring Cloud, Spring Security, Spring Boot, and Spring Integration**.
* Developed UI and interaction with **Spring Boot REST Service**.
* Setting up the Configuration to connect to the services and change the default configuration using Spring Boot.
* Developed Event-driven applications using Spring **Rabbit MQ/Kafka**.
* Worked in Using **Angular 2/4 components, Forms, Events, Keys, Routers, Animations, and Flux concepts**.
* Involved in Setting up the build, configuration, and auto-deploy using the Maven Build Tool.
* Developed Test cases using **Behavioural Driven Development** (**BDD**) methodology.
* Involved in defect fixing and worked on change requests.
* Experienced in setting up **Git** repositories, managing commits, and performing code reviews using **Git** commands and best practices.
* Involved in developing role base code using **LDAP**.
* Involved in Database design, writing **SQL Queries, and stored procedures in Oracle**.
* GGTS is used as a Java IDE tool for creating XML and Groovy (GSP).
* Deployed **WAR, EAR, and JAR** files in the JBoss application server

 **Environment:** Java, Java Script, Spring boot, Spring Security, Angular 2/4, Spring Cloud, Rest API, AWS, Oracle, Mongo DB, Jenkins, Maven, Git, Agile, JIRA.

***Client:*** ***Tesco HSC Duration: Mar 2015 – Nov 2016***

***Location: Bangalore, India***

***Role: Jr. Java Developer***

 **Responsibilities:**

* Worked in AGILE development environment while supporting requirements changes and clarifications.
* Understand business requirements, translate them into design and implementation approaches, and rapidly drive convergence towards the best solution.
* Used front-end technologies such **as HTML5, CSS 3, Bootstrap, JavaScript, jQuery, AJAX, JSP, and AngularJS.**
* Worked one-on-one with the client to develop layout, color scheme, and layout and implemented it into a final interface design **with HTML5/CSS3, Bootstrap, and JavaScript**.
* Utilized AngularJS framework to bind HTML template (views) to JavaScript object (models).
* Built AngularJS framework including MVC architectures, different modules, specific controllers, templates, custom directives, and custom filters.
* Used **AngularJS** framework where data from the backend is stored in the model and populated to UI.
* Developed user-specific Highlights (dashboard menu) section, home page, and Admin home page (Modify/search users, create users’ screens with assigning various roles) using Spring MVC framework, Hibernate ORM Module, Spring Core Module, XML, JSP, and XSLT.
* Designed, Developed, and analyzed the front-end and back-end using **JSP, Servlets, and Spring**.
* Used Spring framework, **Spring-ORM, and Spring-JDBC** modules.
* Used **Spring Inversion of Control (IOC**), **Setter Injection, Constructor Injection, and Dependency Injection.**
* Used database transactions and transaction management along with **Spring ORM and DAO**.
* Deployed the application on the **Tomcat Application Server**.
* Developed the CRUD API for the Restful (Rest API’s) Web Services.
* Used **XML Web Services using REST (Rest APIs)** to transfer the amount to transfer applications that are remote and global to different financial institutions.
* Used **Log4J** to print the logging, debugging, warning, and info on the server console.

**Environment:** Java, Spring, Hibernate, Java Script, jQuery, Ajax, CSS, Bootstrap, AJAX, HTML5, DB2, CRUD, SQL, JDBC, Apache CXF, REST (Rest API’s), Web Services, Eclipse, Subversion (SVN), SQL Server, JUNIT, Scrum, UML, JSP, Java Server Pages Standard Tag Library (JSTL), Servlet, Maven, XML, Jasper Report, Log4u, WEB 2.0, SOA, JMS, Apache Tomcat, Windows, Agile Methodology.

***Client: HDFC Duration: July 2012 – Feb 2015***

***Location: Mumbai, India***

***Role: Jr. Java Developer***

**Responsibilities:**

* Involved in Analysis, Design, and Implementation/translation of Business User requirements.
* Actively participated in the daily SCRUM meetings to produce quality deliverables within time.
* Involved in various phases of the Software Development Life Cycle (SDLC).
* Involved in creating and deploying **RESTAPI** and SOA in **Java J2EE** using Spring Boot.
* Developed service components that are exposed as Web Services using RESTful Web Services, developed service components to consume Web Services.
* Developed the screens using **JSP, Servlets, HTML, CSS, JavaScript, jQuery, JavaScript**.
* Added client-side validations for user input forms using vanilla **JavaScript**.
* Integrated third-party SMS API with the application to send SMS.
* Setting & configuring Web-application modules like Registration and creation of Accounts on Web Server.
* Worked with Struts Validation Framework to implement client-side and Server-Side validations.
* System built using **Struts Model-View-Controller** (MVC) architecture. Implemented the application using the concrete principles laid down by several design patterns such as Composite View, Session Façade, Business Delegate, **Bean Factory**, **Singleton**, **Data Access Object**, and Service Locator.
* Configured and customized logs using **Log4J**.
* Wrote SQL queries, stored procedures, and modifications to existing database structure as required for the addition of new features using **MySQL** database.
* Involved in installing and configuring NetBeans and **Maven** for development.
* Developed various UML diagrams like **use cases, class diagrams, and activity diagrams**.
* Used **Log4J** to validate functionalities and **JUnit** for unit testing.
* Deploying the application to the **Tomcat server**.

**Environment:** Java, J2EE, JSP, SMS API, Java Server Pages Standard Tag Library (JSTL), Servlets, Struts Framework, Hibernate, JUnit, Maven, HTML, CSS, jQuery, jQuery UI JavaScript, Ajax, NetBeans IDE, Tomcat Application Server, UML, CVS, XML/XSL, MySQL, Log4j, Java Mail.