**Vinay Ch || LinkedIn:** [**https://www.linkedin.com/in/vinay-ch-141784b6**](https://www.linkedin.com/in/vinay-ch-141784b6)

**Phone: +1 6692956663 || Email: vinaychowdarycherukuri11@gmail.com || Sr. Java/J2EE Developer**

**PROFESSIONAL SUMMARY:**

* **Having 9 years of experience as a**Sr. Java/J2EE Developer in developing web-based client server applications, data solutions, Intranet/Internet Enterprise Software applications.
* Good experience in Software Development life cycle using various methodologies like **Waterfall**, **Agile** and Test-Driven Development
* Experience in developing Web Applications involving **J2EE** technologies like **JSP**, **Servlets**, **EJB**, **JMS**, **JDBC**, **JNDI**, **JAXB**, **Struts**, **Hibernate**, and **Spring** **MVC**
* Expertise working with frame works like **Spring 4/5**, **Spring** **Boot**, **Spring** **MVC**, **Spring** **DAO** (**Spring JDBC, Spring ORM**), **Spring** **Batch**, **Spring** **JMS**, **Spring** **Security** and **Hibernate**.
* Unique experience with **Pivotal Cloud Foundr**y and OpenShift/**Kubernetes** architecture and design, troubleshooting issues with platform components (PCF).
* Designing and developing multiple **Java 17** Model MVCbased Web Application using Technologies and popular open-source framework **Struts Framework**, **Spring MVC**, **Spring 5/4**, **ORM Hibernate** Framework.
* Experience in **MicroServices** using **Spring** **Boot** for developing independent application with **Spring** **Cloud** with **RDBMS** concepts like writing **Queries**, **Functions**, **Triggers**, Stored Procedures and **PL/SQL packages**
* Expertise in using and configuring various web and application servers like **IBM** **WebSphere** Application Server, **WebSphere** **Liberty** **profile**, **Apache** **Tomcat**, **JBoss** Application Server and WebLogic Application Server
* Experience in using the **Log4j** framework for Logging Application in developing, designing in **UML**, **Package**, **Class** and **State** **Diagrams**
* Experience in designing and building dynamic and user interactive websites using Javascript, Node.js.
* Experienced in designing a Terraform and deploying it in cloud deployment manager to spin up resources like cloud virtual networks, Compute Engines in public and private subnets along with AutoScaler in Google Cloud Platform.
* Experience with Relational databases (**Oracle** 11g, **MySQL** 6.0) and good knowledge non-Relational databases **NoSQL** databases (**Mongo DB** 3.4, Dynamo DB)
* Expertise with web services and **SOA** (Service Oriented Architecture) related standards such as **REST API,** **Jersey** **API** and **J2EE** Web Services based on **SOAP**, **WSDL**, **UDDI**, **JAX**-**WS**, **JAXB** with **Jackson** **API**
* Developing global/multi-regional deployment models and patterns for large scale developments/deployments on Cloud Foundry and OpenShift/**Kubernetes**.
* Developing of utilizing cloud technologies including Amazon Web Services (**AWS**], Google Cloud Platform (**GCP**].
* Developed the unit test cases Test Driven Development (TDD) and mock testing using JUNIT and Mockito frameworks.
* Working on coding using **core Java** concepts like Multithreading, Collections, Serialization, Synchronization, Exception Handling, Generics and Database Connections, as well in **Java 17 features** like **Streams**, **collectors, lambda functions**
* Experience in developing **Maven** **Scripts** and **ANT scripts** for building and deploying of **J2EE** applications in LXC, **Docker** and **Amazon AWS** services and APIs, including **EC2**, S3, VPC, and **Google Cloud Platform (GCP) services**
* Using various web Servers such as **Apache** **Tomcat**, **Glassfish**, **IBM** **WebSphere** and **Pivotal Server** for developing server-side applications.
* Exposure to **LINUX** Commands years of experience in working with Junit for Unit testing and Integration testing proficient in implementing **Service Oriented Architecture** (SOA) using **SOAP** and **REST Web** **Services**
* Experience in deploying application using **Jenkins** 2.x and **Docker** for Continuous Integration/Continuous Deployment (**CI/CD**)
* Working with Web services testing tools like **SoapUI** and **Postman** highly experienced with developing multi-tier Enterprise Applications using **Eclipse**, **NetBeans** and **My Eclipse**.
* Experience with **Production** support and **SRE** work.
* Experience with **Apache Kafka** and **Zookeeper** apart from JMS as messaging service.
* Well acquainted with workflows and Unified Modelling Language (UML) diagrams including Use Cases, **Activity** **Charts**, **Sequence** **Diagrams**, **Data** **Flow** **Diagrams**, and **ER** **Diagrams** using **Rational** **rose**, **MS** **Vision**.

**TECHNICAL SKILLS:**

|  |  |
| --- | --- |
| **Programming Languages** | Java 17/11/8, J2EE, SQL, Python, PL/SQL, UML, C, C++ |
| **Enterprise Java** | Servlets, JSTL, Design Patterns, JSF, JMS, JSP, JNDI, JDBC, Log4J API, Java security |
| **Mark-up/XML Technologies** | HTML, XHTML, JavaScript, CSS, XML, XSD, XSL/XSLT, AJAX, NodeJS, jQuery, JSON, Bootstrap |
| **Tools & Framework** | Spring 4/5, Spring MVC, Spring Boot, Spring batch, Spring Security, Spring AOP, Struts, JSF, Log4J, Jasper reports |
| **Web Services** | SOAP, REST, REST API, WSDL |
| **Web/App Servers** | Web Sphere, WebLogic, Apache Tomcat, Apache Kafka, JBoss, Jetty Server |
| **Database** | Oracle, Mongo DB, No SQL, MySQL server, DynamoDB |
| **Development Tools** | Eclipse, My Eclipse, Spring Tool Suite STS |
| **O-R mapping** | Hibernate, JPA |
| **AWS** | EC2, RDS, S3, ELB, EBS, Amazon Coral, CloudWatch, SNS, SQS, DynamoDB, KMS |
| **Version Control Tools** | SourceTree, Git, Bit bucket, Tortoise SVN |
| **Built Tools** | JUnit, SoapUI, ANT, MAVEN, Gradle, Putty, CI/CD, PCF, Rational Clear Quest, Azure, Mockito, Fitness, Kubernetes, Load UI, Docker, Jenkins |
| **OS & Environment** | Windows, Linux, UNIX |

**PROFESSIONAL EXPERIENCE:**

**Client: Amazon, Seattle, WA OCT 2022 - Till Date**

**Position: Software Development engineer**

**Responsibilities:**

* Understanding the codebase, existing scripts and preparing **Java 17** documents the **REST** based **MicroServices** using the **Spring Boot** for the application to seamlessly integrate with supporting sub systems.
* Designing and developing Quarkus-based applications-based Spring Framework, Spring MVC, Spring Templates, and hibernate.
* Expert in developing global/multi-regional deployment models and patterns for large-scale developments/ deployments on Amazon pipelines.
* Creating Spring Boot applications testing suite using Spring Junit plug-in and Mockito framework.
* **AWS** Developer with extensive knowledge on **Amazon EC2**, **Amazon ECS** and **Lambda** Services. Knowledge on **Docker** Containers.
* Implementing unit tests and product features developed business components using **Java** Objects, **Core** **Java**, Multithreading and Collections.
* Involved in **on-Calls** and identify issues for high severity Tickets like **SEV2’s** and **SEV3’s** and mitigate them depends on requirement.
* Involved in stabilizing the CI/CD pipelines without any blockers in all regions and focuses on delivery and the stability of production environment.
* Implementing **CI/CD** pipeline as code using **LPT Framework** and Developed build and deployment scripts using **Gradle** as build tool, and integrated to perform the **automated integration tests, Load tests and approval steps**.
* Implemented the **integration testing** suite for testing this service at different stages of deployment. This ensures that changes flowing through the deployment **pipeline** are safe and stable when they reach production.
* Developing **RESTful** Web Services retrieve data inter-service communication using **MicroServices** architecture of **Spring boot** application with **MicroServices** performing the Unit testing and basic functional testing with different set of data.
* Utilized **IAM Roles** for Authentication and Authorization for securing APIs calls.
* Proficient in working with various technologies like **Java 17**, **Java** **Beans**, **J2EE** (JSP, JSF, Servlets, EJB), **Spring 5**, **Hibernate**, **MicroServices**, **Spring Boot**, **Spring Cloud**, **Ajax**, **jQuery**, JMS, **JDBC**, **XML**, **JAAS**, **JAX**-**WS**/**JAX**-**RPC**, **Web** **Services**, **LDAP** and Design Patterns.
* Expertise in creating **Stacks** to deploy services in Elastic Compute Cloud **(EC2) instances** and have knowledge on AWS Cloud Administration services. Familiarity with **BreakGlass** the hosts for testing and verify the logs.
* Participating in a **Scrum** team and Agile Practices including Test-Driven Development (**TDD**), Behavior-Driven Development (**BDD**) and pair programming.
* Responsible for provisioning environment and deploying the applications by developing manifests **SIM** for tracking the activities, Tasks and defects of Ehcache as a second level cache in the **DAO** layer for **Hibernate**.
* Responsible for building/deploying consistently repeatable build/deployments to company non-production environments using **AMAZON** BUILD Pipelines.
* Worked as **oncall** resolving high **severity tickets**, **security risks** and **enhancements** which contributed to overall operational excellence for this service.
* Created **Design docs** for the new features and existing implementations to reduce the **Latency** for the Service.
* Deployed containerized applications on OpenShift, a Kubernetes-based container platform, for orchestrating, managing, and scaling containerized workloads in a cloud-native environment.
* Worked with **KMS key** for encrypt and decrypt the requests.
* Worked with **CloudWatch** to verify the logs and **CloudFormation** to deploy the **Stacks** for creating different services.
* Implemented the **Metrics**, **Alarms** and **dashboards** for the service in an automated fashion by using **RUBY** and internal framework **(LPT)** that uses Ruby constructs and libraries.
* Created **S3 Buckets** to store the workflows and other service instances to bind the deployed application in andused Gradle build script for building and deploying the application.
* Experience in handling messaging services using **SQS** implemented **MicroServices** architecture to make application smaller and independent **REST** web with the enabled **ROLES**.
* Design/Develop/Unit Test code for User Stories and created Junit test cases using Mockito, Easy Mock and used Log4j for logging

**Environment:** Java 17, J2EE, Spring 5.0, Spring Boot, AWS, Log4j, MicroServices, REST, REST API, CI/CD, LPT, JUnit, Mockito, SQS, S3, cloudwatch, EC2, KMS, Coral.

**Client: BMO Harris Bank, Chicago, IL Dec 2021 – Sep 2022**

**Position: Java/J2EE Developer**

* Involved in the Requirements collection and Analysis from the business team, preparing functional specifications and technical specifications as per requirements includes a detailed plan to develop, alter, and maintain software system.
* Involved in developing web applications using **Java 11** and make sure the coding is done according to the developer coding practices.
* Developed the Application making use **Java 11's** new Streams API and parallel Streams to partition the streams.
* Developed **Spring Application** using **Spring Core, Spring AOP, Spring Batch, Spring Security,** and **Spring DAO.**
* Configured View Resolvers and Controllers for **Spring MVC.**
* **Spring Boot** and **REST** services are implemented while developing web-based applications.
* Used **Spring Boot** for building cloud **Micro services** quickly and develop spring based applications with very less configuration
* Developed **java modules** implementing business rules and workflows using **Spring Boot.**
* Used **Hibernate** as **ORM tool** to map the database tables, and Implemented **DAO layer** using different **hibernate** techniques like strategies, Inheritance, annotations and integrated with **Spring Framework.**
* Used **Node.JS** for building web applications with client-server architecture where both can initiate communication in two-way connections and allows them to exchange the data.
* Used **Eclipse** tool for application development.
* Extensively used **Git** for version controlling and regularly pushed the code.
* Integrated **ActiveMQ and spring JMS API** to send and receive message for the application’s **restfulAPI**.
* Worked on **XML parsers (JAXB)** for data retrieval and J**AXB** parser for marshalling and unmarshaling.
* Designed **GraphQL to** build client applications by providing an intuitive and flexible syntax and system for describing their data requirements and interactions.
* Implemented **AWS** solutions using **EC2, S3, RDS, Elastic Load Balancer** and **Auto scaling groups,** **Optimized volumes** and **EC2 instances.**
* Worked on creation of custom **Docker** container images, tagging, pushing images, integration of **Spring Boot.**
* Developed various **EJBs (session and entity beans)** for handling business logic and data manipulations from the database.
* Used **Log4J** to capture the log that includes runtime exceptions and to create Daily Rolling Log.
* Developed test cases and performed unit test using **JUnit** Framework.
* Used **Jenkins** continuous integration tool to make the build passes before deploying the code to other environments (DEV, SIT, iTest, Prod).
* Setup the continuous Integration (CI) and continuous Deployment (CD) process for the application using the **Jenkins.**
* Implemented **RESTful and SOAP** based web services using for **JAX-RS and JAX-WS** respectively.
* Utilized **MongoDB** database management system for keeping user generated data.
* Implemented **Agile** Methodology for development of the application.
* Participated in day-to-day meeting, status meeting, strong reporting and effective communication with project managers and developers.

**Environment:** Java 11, spring, MVC, Spring Boot, Micro Services, Hibernate, Eclipse, Node.JS, JMS, XML, AWS, Docker, EJB, Log4j, JUnit, Jenkins, RESTFul, SOAP, MongoDB, SQL, Agile and Windows.

**Client: Broadridge Financial Solutions - India APR 2018 - JUN 2021**

**Position: Java/J2EE Developer**

## **Responsibilities**:

* Involved in designing and implementing the application using various **Java and J2EE** Design patterns design patterns such as Singleton, Business Delegate, Façade, and Data Access Object (DAO).
* Designing and implementing scalable, **REST**and **micro services**- based mobile back-end. The back-end is being written in **Java 11** using **Spring Boot** for simplicity and scalability.
* Used **Pivotal Cloud Foundry** to quickly build, deploy & update the application worked on Pivotal Cloud Foundry to host Cloud based Applications**.**
* Utilized OpenShift CLI for managing applications, deploying new container images, scaling deployments, and monitoring resource utilization within OpenShift clusters.
* Responsibilities a0s a **XSLT** web developer include design and develop the websites with the **Java 11** and **XSLT** with Tag Libraries in Struts framework.
* Worked on Google cloud Platform(GCP) services like compute engine, cloud load balancing, cloud storage, cloud SQL, stack driver montoring and cloud deployment manager.
* Prepared Test Cases to perform Unit, Integration and System Testing. Tested the developed components using JUnit and JUnit frame work with Mockito, Power Mockito and TestNg.
* Developed **SOAP, Micro Services** which are like API's used for Home Automation they also keep the data in synchronization between two database services.
* Created clusters in Google Cloud and manage the clusters using Kubernetes. Used Jenkins to deploy code to Google Cloud, create new namespaces, created docker images and pushed them to container registry of google cloud.
* Setup Alerting and monitoring using **Stackdriver** in GCP, involved in migration activities of java scripts and database scripts MySQL into different environments.
* Worked on server-side web applications using Node.js and involved in Construction using JQuery, bootstrap and javaScript.
* Used Node-myspl and pure node.js Javascript client implementing the mysql protocol and using a JavaScript ORM for Node.js bookshelf.
* Debug the application using Firebug to traverse the documents and manipulated the Nodes using DOM and DOM functions using Firefox.
* Developed **CI/CD** system with Jenkins on **Docker** container environment utilizing **Kubernetes created Single Page Application (SPA) which can data bind.**
* Developed **REST API** using Spring **Boot** and **REST Controllers** and generated **JSON**/**XML** formats **OOPS** design and **core Java** concepts such as Collections, Multithreading, Exception Handling.
* Developed unit test cases using **J Unit** and used **Log4J** for logging and debugging **MySQL** as backend database and involved in development of Stored Procedures.
* Implemented spring boot mircoservices to process the messages into the **Kafka** cluster setup.
* Designed and implemented by configuring Topics in new **Kafka** cluster in all environment.
* Deployed the Services onto the **OpenShift** to run docker containers, via Kubernetes on cloud infrastructure.
* Used **SVN** as a version control to track and maintain the different version of the project **Maven** scripts to build and deploy the application.
* Experience in defect resolutions and configuration management change processes to support applications in **PROD** and integration testing environments.

**Environment:** Java 11, J2EE, Spring 4.x, Spring Boot, AWS, Hibernate 5.3, XML, XSL, Micro services, SOAP, REST, REST API, Kubernetes, Bootstrap, JavaScript, HTML, CSS, Ajax, Mockito, Quarkus, Tomcat,Struts, Git, Soap UI, JSON, Ant, Log4j.

**Client: Lincoln Finance Group, India JAN 2016 - MAR 2018**

**Role: Software Developer**

**Responsibilities:**

* Involved in the integration of **Struts** with **Spring,** Framework and implemented **Spring MVC**, **Spring IoC**, **Spring AOP**, **Spring JDBC**, **Spring** Persistence with **JPA**.
* Worked on the critical areas of the applications like Impersonation functionality, Internal Login page maintenance of the internal Asset Management tool which is especially designed to manage the images that are used in the application.
* Developed and consumed **SOAP**/**Restful MicroServices** Web Services using **XML,** and **JSON** message formats responsible for the analysis, documenting the requirements and architecting the application based on **J2EE** standards.
* Wrote the **Hibernate**-**mapping** **XML** files to define **Java 8** classes database tables mapping used **Hibernate** Template for various database update, insert, delete operations and for involving functions, stored procedures, triggers.
* Developed and designed new cross-browser accessible interfaces using **J Query** and **JavaScript**.
* Developing applications for workflow using **JSP's**, **spring MVC**, **Hibernate**, **AJAX**, **JavaScript** technologies using **Apache Tomcat 5.x**.
* Developed Intranet Web Application using **Java 8**, **J2EE, Cassandra** architecture, using **JSP** to design the user interfaces and **Hibernate** for database connectivity and **Rest services** templates are generated using **swagger2** specifications
* Developed new library with **MicroServices, Spring MVC** architecture using **Rest APIs** and fixed the defects that are not only raised on the areas that worked but also on the entire application.
* Developed **SOAP Web services** for getting information from third party designed Frontend with in object-oriented **Java 8** Framework.
* Excellent knowledge on **Java 8** concepts like Streams, Lambda Expressions, Method References used **Maven** for dependency management and build purposes and **Jenkins, MicroServices, No SQL** for continuous builds and deployments
* Worked on the **Rest API, Cassandra** web services while displaying the data on the pages.

**Environment:** Java 8, J2EE, Spring, Spring MVC, Spring JDBC, SOAP, REST, OpenShift, REST API, JSP, Servlets, Hibernate, MicroServices, , Struts, Log4J, JSON, AJAX, SQL, Apache Tomcat 5.x, JIRA.

**Education:**

**Master’s in Computer Science from University of Central Missouri, USA 2022**

**Bachelors in Computer Science from Qis College of Engineering and technology, India 2016**