**Vishwak**

**Java Full stack Developer**

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**Summary:**

* **9+ years’ experience** of enterprise software development, including web development, System Analysis, Technical Design, B2B Development, Release/Build Management in all stages of Full Software Development Life Cycle in diverse industries.
* Strong implementation knowledge of Software development methodologies like **Agile Methodology** and **Scrum** software development processes.
* Experienced in all Software Development Life Cycle **(SDLC)** phases including **Analysis, Design, Implementation, Testing** and **Maintenance.**
* Implemented Systems using **Design Patterns like Singleton, Front Controller, DAO, DTO, Business Delegate, Session Factory, MVC etc.**
* Strong working experience developing web applications using spring frameworks like Spring Boot, Spring MVC, Spring IOC, Spring REST, Spring AOP, Spring transaction Management, Spring Data, Spring DAO, Spring Batch and Spring Security.
* Used AWS Cloud to develop web applications using services like S3, DynamoDB, SNS, SQS, CloudWatch, Lambda, Step functions, CloudFormation, CDK, API Gateway etc.
* Develop applications which **highly scalable, high availability and fault tolerant** are using **Event Driven Architecture.**
* Expertise on **Java 8** features such as Lambda expressions, Functional Interfaces, Streams to avoid boilerplate code, keep code simple and extensively used core java technologies such as Collections, Multi-Threading, Exception Handling.
* Used **Confluence** as knowledge and documentation management system.
* Tested and Automated API’s/Restful Services developed IBM Mule soft using Java and Rest Assured java libraries.
* Implemented Event Driven Design and Domain Driven Design using messaging queues like Apache Kafka, Kafka Stream APIs, SQS, SNS, Cassandra, DynamoDB Streams.
* Developed Pub/Sub applications using AWS SNS, SQS, Lambda, Apache Kafka.
* Developed Web services using **JAX-RPC, JAX-WS, JAX-RS (RESTful)** and **RMI.**
* Created robust user Interface **(UI)** using **HTML, CSS, JavaScript, AJAX, Angular, Native Script.**
* Used **Spring Core** for **dependency injection/Inversion of control (IOC).**
* Used modern software engineering tools including **Eclipse**, **IntelliJ Idea, VSCode,** [**IBM Rational Software Architect**](https://www.ibm.com/developerworks/downloads/r/architect/).
* Used persistence frameworks like **Hibernate ORM**, **JPA** to map **POJOs** to a relational Database.
* Experience in database design and implementation using different RDBMS like **Oracle, MySQL, Microsoft SQL Server, IBM DB2 and PostgreSQL.**
* Developed modules using Core Java APIs, Collections, **Java 1.8** (Streams), Jordan API (Dates), Multi-threading, Exception Handling, Generics, Enums, Java I/O and object-oriented designs patterns.
* Experience using **Maven and Gradle** as build tools.
* Strong experience in Securing API's using **OAuth2.0** token-based authentication/authorization scheme using Spring Security.
* QA experience in Manual and **Automation** testing of Web Services, Client Server and Web based Applications in different domains **using QTP, SOAP UI, Quality Center, Selenium.**
* Hands on experience in Quality Assurance including **Functional**, **System**, **Smoke**, **Regression**, and integration, User Acceptance Test (UAT) and Compatibility Testing of Client server-based Applications.
* Expertise in functional testing **AUT** using **Selenium** **IDE** and **Selenium** **WebDriver** using Junit/TestNG testing framework. Experienced using Test Driven Development using **Junit, Mockito, Power mock** etc.
* Experienced developing integration tests using **TestNG**, **Cucumber**, **Selenium** etc.
* Well versed with programming paradigms like **TDD (Test Driven Development), Event Driven Architecture, Domain Driven Architecture, Design Patterns** etc.
* Used **Microservice** architecture with **Spring Boot** based services interacting through a combination of **REST** and **Apache Kafka** message brokers and used **Spring Eureka** to retrieve API routes for the entire cluster.
* Configured CI/CD pipelines using Jenkins Pipelines for building code, integration testing, code coverage using **Jacopo**, static code analysis using **Sonar, Git** etc.
* Worked in **DevOps**, installing, configuring, and integrating Automation scripts on Continuous Integration tools (**CI/CD**) like Jenkins for nightly test suite execution and working on knowledge on testing and configuring **Amazon Web services(AWS).**
* Well versed with core Java concepts like **Collections, Streams, Multithreading, Serialization** and **Java Beans**.

**Technical skills:**

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| **Languages/Utilities** | Java, PL/SQL, Python, XML and UML. |
| **JAVA Technologies** | Core Java, Multithreading, JDBC, JNDI, Java beans, J2EE, Junit, Maven, Mockito, Ant, Log4j.  Junit 4.x, TestNG, Selenium, JMETER |
| **Frame Works** | Spring 4.x, Spring Boot, Spring Batch Struts 2.0/1.x, JSF and Hibernate, Spring Data JPA, RX Java. |
| **Design Patterns** | JSTL, Singleton, MVC, Business Delegate, DAO, DTO, Session Façade |
| **Web Services** | SOAP & REST. |
| **Web Technologies** | Applets, JSP, HTML5/4, CSS3, JavaScript, JSON, AJAX, and jQuery, Angular 6, React JS |
| **Databases** | MYSQL, Oracle, SQL server, MongoDB, snowflake |
| **Middleware** | Servlets, Java Beans, RMI, EJB, JMS. |
| **Version Control Tools** | Subversion, GitHub. |
| **Web/Application Servers** | Apache Tomcat, IBM WebSphere, JBoss. |
| **Cloud Technologies** | AWS Cloud Components S3, EC2, Lambda, Elastic Bean Stalk, ECS, RDS. Azure, OpenShift (Red Hat) |

**Professional Experience:**

**Client: Nationwide Insurance, Columbus, OH Apr 2021 to Present**

**Role: Java Full Stack developer**

**Responsibilities:**

* Managing project design, coordinating architecture and business requirements, and leading implementation and planning effort on projects within the development timeline. Focused on continuous improvement efforts to simplify and accelerate development.
* Extensively used Java 8 features such as lambda expressions, Parallel operations on collections, multithreading and for effective sorting mechanisms.
* Fixed Vulnerabilities on different Twist Lock issues, worked on sorting regression failures to display in a dashboard using Java, html, and CSS.
* Used **Python** for automating release process improvements, worked on creating new relic Dashboard.
* Developed GitHub pages for storing dashboard data using Jekyll.
* Container management using **Docker** by writing Docker files and setting up the automated build on Docker Hub.
* Worked on **spring** upgrade from **concourse** to **harness** which includes the creation of new pipeline and new workflows.
* Created **Jenkins** and **Concourse** pipelines for continuous deployment, automated gateway checks with ephemeral environments.
* Created Docker base image for 19 Microservices applications later created new artifact using concourse and deployed it in harness and verified contrast is working.
* Embrace agile development methodologies (Kanban, etc.)
* Experience in automating one of the release process steps to configure Jenkins Job using **python.**
* Worked on creating **webhooks** and passing status checks from concourse and harness.
* Experience in sorting the regression failures using **Java** and updating entire feature list on to the dashboard.
* Automated release process steps in the release and worked on **docker** and **Kubernete**s for creating new images.
* Strong understanding of AWS Serverless Application Model (SAM) for building and deploying serverless applications.
* Skilled in using AWS Code Commit, Code Build, and Code Pipeline for continuous integration and delivery (CI/CD) pipelines.
* Experience with containerization technologies like Docker and deploying Docker containers on AWS ECS or EKS.
* Familiarity with AWS Kinesis for real-time data streaming and processing.
* Excellent troubleshooting and debugging skills, with the ability to identify and resolve issues in AWS-based applications.
* Extensive experience in designing, developing, and deploying applications on the Amazon Web Services (AWS) cloud platform.
* Strong knowledge of AWS services such as EC2, S3, Lambda, RDS, DynamoDB, API Gateway, and CloudFormation.
* Skilled in developing and maintaining microservices-based architecture using AWS Lambda and API Gateway.
* Proficient in writing AWS Lambda functions in Java for serverless application development.
* Experience with AWS SDK for Java to interact with various AWS services programmatically.
* Deep understanding of AWS IAM for managing access control and security policies.
* Worked on creating Jira dashboard based on fixed version, team name and component name.
* Experience in using **Harness** for deployments which I have implemented Triggers based on new artifact from concourse. worked on Rancher to know the status of pods.
* Created Jenkins and **Concourse** pipelines for continuous deployment, source code arty factoring, automated gateway checks with SCA.
* Designed and continuously improved the usability and reliability of Java EE web services (REST) for back-end data delivery and business logic implementation. Worked in an AWS Environment and used services like Lambda, S3 storage and SNS.
* Developed microservices with Spring and tested the application using Spring Boot.
* Created new standard Docker Format in all the applications verified Contrast and Pharos which includes SCA, IAST AND SAST.
* Coordinated with requirements analysts to ensure thorough understanding of user stories, project objectives and subsequent efficient implementation of each solution. Engaged with testers to ensure quality and consistent coverage of software projects.

**Environment**: J2EE, Eclipse Neon, Hibernate, Spring Boot/REST/MVC HTML 5, JavaScript 1.7, jQuery, Ajax, CSS 3, XML, Tomcat 9, SQL, Oracle 11g, SQL Developer, Postman, Splunk Cloud, PCF, AWS, Concourse-CI, Harness-CD, New-Relic, Docker, Kubernetes, Rancher, Agile, Junit, Postman, Python, Harbor.

**Client: AmerisourceBergen Oct 2019 to Apr 2021**

**Role: Full Stack Java Developer**

**Responsibilities:**

* Involved in various phases of Software Development Life Cycles (SDLC) like Design, Development, and testing phases, and developed Use Case diagrams, Class diagrams, and Sequence diagrams.
* Used Java 8 Lambda expressions along with Streams for creating internal iteration and performing chain operations such as Filter, Map, collect on a collection Objects.
* Used Spring Boot, which is radically faster in building cloud Micro Services and develop Spring MVC, based application with very less configuration.
* Experience in J2EE framework and its components as related to java test, result and deployment.
* Software development activities and ensuring process adherence and quality deliverable. Developed, implemented, and tested Node.js applications.
* Created some widgets using Kendo UI and successfully integrated Kendo UI components, node.js and module.js with polymer.
* Implemented generating the verification hash code using crypto package on Node.JS and Added user validations and user permissions by using the Node.js.
* Used React JS for templating for faster compilation and developing reusable components.
* Worked in using React JS components, Forms, Events, Keys, Router, Animations, and Flux concept.
* Extensive experience in designing, developing, and deploying applications on the Amazon Web Services (AWS) cloud platform.
* Strong knowledge of AWS services such as EC2, S3, Lambda, RDS, DynamoDB, API Gateway, and CloudFormation.
* Skilled in developing and maintaining microservices-based architecture using AWS Lambda and API Gateway.
* Proficient in writing AWS Lambda functions in Java for serverless application development.
* Experience with AWS SDK for Java to interact with various AWS services programmatically.
* Deep understanding of AWS IAM for managing access control and security policies.
* Designed and developed the RESTful web services using the JAX-RS API to communicate over the network. Worked on presentation layer to develop JSP pages and embedding CSS, JavaScript, DOM, and HTML.
* Implemented AJAX for a couple of navigation screen flows for asynchronous calls.
* Designed an API Life Cycle template for the API business objectives before building a programmatically accessible platform.
* Built web Applications using AJAX, HTML, JavaScript.
* Good experience in rendering JavaScript libraries like ReactJS.
* Designed, developed, and tested HTML5, CSS3, Bootstrap, JavaScript, jQuery and React.JS that meet accessibility and web browser standards for website.
* Designed REST and SOAP services.
* Implemented Custom Exceptions depending on the API Responses.
* Worked on creating, retrieving, updating, and deleting documents in MongoDB.
* Tested the performance of our API using SoapUI, Postman, and JMeter.
* Involved in creating EC2 instances and installed required configurations and applications on it and created S3 buckets for storing object level data into it.
* Designed, configured, and deployed Amazon Web Services (AWS) for a multitude of applications utilizing the Amazon cloud formation.
* Implemented BDD through Cucumber. Created the Feature Files for Cucumber Automation.
* Worked on design patterns which include Decorator, Facade, Front controller, Intercepting filter and MVC.
* Developed Mockito and JUnit test cases to improve code coverage.
* Experience in writing unit tests using JUnit and Easy Mock.
* Used Jenkins server for code monitoring during code integration phase.
* Implemented modular approaches for backend on AWS Elastic Beanstalk and interfacing with MySQL/Aurora DB on AWS’s RDS, allowing for scalability.
* Utilize EBS to store persistent data and mitigate failure by using snapshots.
* Used JIRA as the bug tracking system to track and maintain the history of bugs/issues on everyday basis.
* worked on GIT and JIRA for version control and project tracking.
* Worked in an Agile based development environment and participated in Retrospective, Scrum session for better understanding and communication among team members.

**Environment Worked**: Java1.8, HTML5, CSS3, JavaScript, Typescript, AWS, Ajax, jQuery, JSON, ReactJS, JDBC, Bootstrap 3, Spring, Hibernate, LINUX/UNIX, Node.js, MySQL, Agile, JIRA, JBoss, Apache Tomcat 8, Junit, Git, Ant, Jenkins, Log4j, MongoDB 3.2.

**Client: VISA, Austin, Texas Jul 2018 to Oct 2019**

**Role: Sr. Java Developer**

**Responsibility:**

* 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).
* Implemented Multithreading for handling multiple requests and for high performance.
* Developed RESTful services based on Spring REST using Jersey framework.
* Implemented Internationalization using Spring MVC Interceptors, Spring core modules and native Spring AOP facets of Logging and transactional management.
* Deployed and upgraded legacy web applications, including DB updates, deployment migration of Micro Services, monitoring logs, publishing APIGEE proxies.
* DB2 database is used to load the application data and written PL/SQL procedures, 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 source using Hibernate Session Manger.
* Implemented Hibernate Template to 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 JMS framework.
* Implemented the function to send and receive AMQP messages on RabbitMQ synchronously and asynchronously and send JMS message on the edge device.
* Implemented Spring Dependency Injection (IOC) feature of spring framework to inject beans into User Interface and AOP for Logging.
* Used Spring Security framework for login authentication, password hashing. Worked on Java Message Service (JMS) API for developing message-oriented middleware (MOM) layer for handling various asynchronous requests.
* Configured Jenkins to handle application deployment in Pivotal Cloud Foundry(PCF) server and to integrate with Git Hub version control.
* Build a CI/CD pipeline using Bamboo automation and GitHub repositories using web hooks plugin.
* Performed Angular JS end to end testing using Protractor framework and Integration testing methods and Behavioral driven are implemented using Selenium and Cucumber respectively.
* JIRA tool for project management used in the application to tack bugs, issues, and project management functions.

**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 Transactions, Spring Batch, Quartz scheduler, Spring IOC, Mule ESB, Jenkins, Git, Active MQ, DB2,Pivotal Cloud Foundry(PCF) server, Grunt, Jenkins, Protractor, Grunt, Selenium, Cucumber, JIRA.

**Client: DBS Bank, Hyderabad, INDIA**  **Nov 2015 to Dec 2017**

**Role: Java Developer**

**Responsibilities:**

* Attended the **SCRUM** meetings to understand the status and resolved issues and involved in implementation of **Agile** methodology.
* Worked on **React.js** library to build out reusable components and created **React.js** for front end UI and **node.js** for backend.
* Developed user management screens using **Spring framework and DAO classes** using **Hibernate** framework for persistence management and involved in integrating the frameworks for the project.
* Involved in **Core Java** coding by using **Java APIs** such as **Collections, Multithreading, Exception Handling, Generics, Enumeration,** and **Java I/O** to fulfil the implementation of business logic.
* Major contributor in migration of application code from legacy to **Spring MVC**, **hibernate** and Web services-based architecture implementing design patterns like DAO, DTO, Front Controller, Factory, Singleton etc.
* Extensively involved in coding with AngularJS, jQuery UI and jQuery Mobile to add functionalities and effects like Accordion, Infinite Scroll bar, Slider bar, Draggle/Droppable, Resizable, Progress bar.
* Developed the **Angular.JS Forms**, Validations, Modules, Factory Services, DOM, Events, Expressions, Directives, Controllers, filters, HTTP Request.
* Deployed enterprise **J2EE** applications on JBoss that includes EAR, WAR files.
* Developed Microservices to provide **RESTful API** utilizing Spring Boot with various data persistence frameworks such as Hibernate and JPA and messaging engines.
* The system was developed in a test-driven development (**TDD**), Extreme Programming (**XP**), Pair Programming environment using iterative development methodologies.
* Developed single page application, Components using Angular directives, Controllers, view, Services and modules and routing.
* Created efficient design and developed User Interaction screens using web technologies like **Angular 4.0**, **HTML5, CSS3, JavaScript, jQuery AJAX,** and **JSON**.
* Good knowledge of Deploying applications on Application and Web Servers such as Web Sphere and Apache Tomcat.
* Coding, testing of reusable **JavaScript,** **CSS 3**, **HTML5** widgets / libraries for complex UI controls and Responsible for **JavaScript / AJAX** UI upgrades and improvements.
* Implemented the Email module, which included setting up **JMS message queue**, designing and developing email client which sent Java messages to the message queue, designing and developing **message driven beans** that consumed the messages from the queue and sent emails using contents from the message.
* Used **GIT** as a Version Control System, created and cloned the central repository locally, created sub- branches, pull any new changes, and then finally push their changes back to the central repository.
* Configured **Log4j** tool to log the entire application.
* Used **Java Streams** for functional programming.
* Writing business rules and reusable functions using **Java/J2EE**.
* Developed JDBC adopters and Assembly diagrams to communicate to the **Oracle** database.
* Creating Functional and Technical Design Document based on User Inputs.
* Involved in the deployment of a **Web logic application server**.
* Writing Unit Test cases for the developed code.
* Help business team to take decisions within allowed technical constraints and IT schedule.

**Environment:** Java 8.0, J2EE, XML, DHTML, Servlets, JSP, Struts 1.1, Oracle9i, NetBeans 6.0, Win NT, Web Logic 8.0.

**Client: CGI, Hyderabad, India Jul 2014 to Nov 2015**

**Role : Java Developer**

**Responsibilities:**

* Participated in gathering and analysis of the required data and designed, configured, developed & validated the application architecture using MVC framework.
* Designed web pages using HTML, DHTML, CSS, jQuery, and JavaScript.
* JavaScript was used for validations and to control the web pages on the client-side of the browser and even mobile applications.
* Implemented Transaction and Logging using Spring AOP, developed Hibernate HQL queries and Hibernate DAO.
* Used Servlets and JSP to develop dynamic web pages. Servlets and JavaScript code were written using core java.
* Designed SOA implementations by Using Web Services-WSDL, UDDI and SOAP for getting information from third party vendors.
* Used Hibernate to communicate with MySQL database and used Agile Development Methodology for this project and used Junit, Maven, ANT for testing and building applications.
* Used Java Web Services based on RESTful services and Used Jasmine and Karma testing frameworks for easy debugging.
* Actively documented the common problems during testing and developing phase and in production phase.
* Used AJAX frameworks like jQuery, JSON to develop rich GUIs and involved in performance tuning the website.
* Designed, deployed & tested multi-tier application using Java technologies.
* Created and designed database tables and wrote SQL queries, Joins, PL/SQL sub programs like triggers, packages, stored procedures & functions.
* Worked with QA team to test the load, fix the bugs and to check the performance.
* Deployed the Web Application onto JBoss Application Server, Apache Tomcat.

**Environment:** Java, Multi-threading, Hibernate, SOAP, WSDL Spring, Servlets, Multi-threading, Exceptions, IO, Collections, Generics, GIT, Struts, jQuery, HTML, CSS, JSP, LINUX, UNIX, Windows Maven, SQL, Tomcat, Oracle, Eclipse.