**ABBAS KHAN PATHAN**

**Senior Java /J2EE developer**

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**PROFESSIONAL SUMMARY:**

* **Around 9 years** of experience in **Java/J2EE** with a full **Software Development Life Cycle** – **Software analysis, design, architecture, development, testing, deployment,** and **maintenance**.
* Experienced in Design and Development of multi-tier enterprise applications using **Java, J2EE, spring, Servlets, JSP, Hibernate, JDBC, and Java Beans.**
* Proficient in creating effective web applications using **HTML5/HTML/XHTML, CSS3/CSS, JavaScript, Bootstrap, jQuery, JSON, XML and JSTL tags.**
* Good knowledge of **spring’s IOC, AOP, Spring MVC, IOS, Spring Boot, Spring Cloud,** and **spring's integration** with **Hibernate** and **Struts**
* Proficient in Core Java with strong understanding of **data structures, algorithms, Collections, Concurrency, Multithreading, Event handling and performance tuning**.
* Experienced in integrating enterprise applications using **RESTful** Web services.
* Worked on Lambda Expressions, Functional interfaces Stream **API's**, **Time** **API**, and Improvements on **Collection**, **Concurrency**, and **IO** improvements by using **Java 8**
* Implementing or exposing the Micro service architecture with Spring Boot based services interacting through a combination of **REST** and **Apache Kafka** message brokers.
* Comfortable working with MEAN (**MongoDB, Express, Angular, IOS, Swift, Node.JS**) stack.
* Experienced in administrating and maintaining **Rally** and **HP** **Quality** (QC).
* Experience in creating web applications utilizing Spring MVC outline **Center** work and Object-Relational Mapping advances, for example, **JPA, Hibernate.**
* Good experience working with the **Java1.8 and JDK1.8** and implemented the new feature like **Lambda Expressions, Streams, Java Time API.**
* Good experience working with JavaScript and JavaScript frameworks **jQuery,** **Rall,y Angular 2.0, Angular 8, ReactJS.**
* Extensively utilized **Spring MVC Framework, JSP, JSF,** for creating User interface modules.
* Worked with **NoSQL** database to store **JSON** like dynamic connections data.
* Proficient in utilizing social databases **Oracle, MySQL, SQL Server** and composing complex SQL, **PL/SQL** programs. Great comprehension of **NoSQL** databases like **MongoDB.**
* Good working knowledge in Single Page Applications **(SPA)** using JavaScript frameworks like

**Angular JS, Swift, React.js.**

* Expertise in **Object - arranged** outline/examination, **UML** demonstrating and J2EE designs.
* Hands on experience in utilizing programming advancement approaches (Agile, SCRUM), Continuous mix and **Test-Driven Development (TDD).**
* Experienced with current improvement IDEs, for example, **Eclipse, IntelliJ, and spring device suite.**
* Implemented a Continuous Delivery pipeline with **Jenkins, GIT** and **Maven.**
* Good Knowledge in **Amazon Web Services** ecosystem (**Amazon EC2, Amazon S3, Amazon Simple DB,** **Amazon Elastic Load Balancing,** **Amazon SQS, Amazon EBS** and **Amazon CloudFront**).
* Experience in configuring and deploying Web Applications using **IBM WebSphere server**, **JBoss**, **Tomcat server** and **Apache**.
* Worked on utilizing **Rabbit MQ, IBM MQ, Apache Kafka** as a Message Oriented Middleware for coordinating applications.
* Utilized **Java 8** features like **Lambda** expressions and Stream API for Bulk data operations on Collections which would increase the performance of the Application.
* Managed Amazon Web Services like **EC2, S3 bucket, ELB, Auto-Scaling, SNS, SQS, AMI, IAM, Dynamo DB, Elastic search, Virtual Private Cloud (VPC)** through AWS Console and API Integration.
* Involved in developing testing frameworks such as **JUnit, Mockito, Cucumber** and **Selenium** for **Test Driven Development** (TDD).
* Good experience working with **Continuous Integration and Deployment (CI/CD)** tools like **Jenkins, Docker.**
* Worked on CI/CD tool Jenkins to automate the build process from version control tool into testing and production environment.
* Experience with container-based deployments using **Docker**, working with **Docker images** and **Docker Hub**.
* Used Kubernetes to orchestrate the deployment, scaling, and management of **Docker** containers.
* Experience in using version control and configuration management tools like **GIT**, GitHub, and **CVS**.
* Experienced in Agile methodologies like **Scrum** and **Extreme Programming (XP),** and Agile practices like **Continuous Integration** and **Test-Driven Development** (TDD).

**Technical Skills:**

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| **Big Data framework** | Apache Spark, Hadoop, HDFS, Map Reduce, PIG, Hive, Sqoop, Oozie, Flume, HBase |
| **Languages** | Core JAVA, Python 2.7 |
| **Message Broker tool** | Apache Kafka |
| **Search engine server** | Apache Solr |
| **Application Server** | JBoss AS 6.2, WAS 7.0 |
| **RDBMS** | Oracle 9i/10g (SQL, PL/SQL), DB2, MySql, Derby, SQL Server |
| **Operating Systems** | Windows 98/2K/XP, Linux |
| **Utility tools** | Log4j, Ant, Maven |
| **Database tool** | Toad, SQL Developer |
| **IDE Tools** | NetBeans 6.5. MyEclipse 6.0, Eclipse 3.7, Eclipse 4.2 Juno |
| **Web Technologies** | HTML, JAVA SCRIPT, JQuery |
| **Programming** | Java, C, C++, SQL, PL/SQL, UML, Python, Scala |
| **Hadoop Eco System** | HDFS, MapReduce, Yarn, Pig, Hive, HBase, Sqoop, Flume, Oozie and TWS |
| **Frameworks** | Apache Spark, Spring, Hadoop, Databricks, Hive, Sqoop, Ambari, HBase Spring MVC, Hibernate, Struts, Junit, log4J |
| **Java/J2EE** | Servlets, JSP, JSF, Apache, EJB 2.0/3.0, JDBC, RMI, JMS, JNDI |
| **Tools** | Maven, log4j, SVN,CVS, GIT, DB Visualizer, Teamcity, TWS (Tivoli Workload Scheduler) |
| **IDE’s** | Eclipse, Net Beans, My Eclipse, IntelliJ |
| **Web/Application** | Apache Tomcat, IBM WebSphere, WebLogic |
| **Database Technologies** | Oracle, MySQL, DB2, Mongo DB, MS Access, IBM Big SQL |
| **Methodologies** | Agile Scrum, Waterfall model |
| **Operating Systems** | Windows, Linux/Unix. |

**Professional Experience:**

**Client: Goldman Sachs, Chicago, IL Oct ‘2021- Present**

**Role: Senior Full Stack Developer**

* Involved in design, development, and testing of software development life cycle
* Responsible for requirement gathering from the Business Analysts and for preparing the requirement specification document
* Involved in structuring and execution of MVC configuration design utilizing spring framework for Web-level
* Involved in developing code for obtaining bean references in spring framework using Dependency Injection (DI) or Inversion of Control (IOC) using annotations. This functionality is implemented by developing **RESTFUL** web services using spring boot.
* Experience in design and developing Application leveraging **MongoDB.**
* Worked on developing the backend part of the application involving spring framework, and Web Services.
* Extensively used **Java 8** features such as **lambda** expressions, **Parallel** operations on collections, multithreading and for effective sorting mechanisms.
* Used Microservice architecture, with Spring Boot-based services interacting through a combination of REST and **Apache Kafka** message brokers and leveraging **AWS** to build, test and deploy micro services.
* Created cloud formation templates in setting up DEV, QA and UAT environments using AWS Cloud formation and leveraged Elastic container services to run Docker micro services in AWS.
* Experience using AWS for hosting virtual instances and handling scalability
* Prepare and execute AWS Cloud Formation JSON template to provision infrastructure on AWS Cloud for pre-prod and prod environments
* Worked with Lambda expressions and **Functional interfaces**.
* I have worked on **Lambda Expressions**, Functional interfaces Stream API's, Time API, and Improvements on Collection, Concurrency, and IO improvements by using Java 8.
* I have worked on improving the overall performance of applications via Multithreading, collections, synchronization, and exception handling strategies.
* Using **Swift iOS** as a programming language to develop the application.
* Developing a multi platform phone app for **iOS, Android, Windows** Phone 7.
* Developed **Service Oriented Architecture (SOA)** and Micro Service Architecture based J2EE applications.
* Developed the code for calling the external web service through **Spring**
* Tracked User stories, Tasks, Testcases, Results and Defects in **Rally**.
* Configured Kafka to read and write messages from external programs.
* Configured Kafka to handle real time data. Implemented Kafka producer and consumer applications on Kafka cluster setup with help of Zookeeper.
* Secured the API's by implementing an Oauth2 token-based authentication/authorization scheme using spring security.
* Streamlined installation of OpenShift on partner cloud infrastructure such as **AWS**.
* Utilized Kubernetes for the runtime environment of the **CI/CD** system to build, test deploy.
* Deployment of Cloud service including Jenkins and Nexus on Docker using Terraform.
* Integrated Rally Plugin in Eclipse to update the status of the Stories of **Rally**.
* Developed Maven Scripts to automate the build process. Managed the Maven Repository using Nexus tool and used the same to share the snapshots and releases of internal projects.
* Developed a cross-device/cross-browser web application for real-time location sharing utilizing Angular 8, **JavaScript API**
* Worked on the front-end look and appearance for the screens using **JavaScript, AJAX, Angular 8**, **jQuery**
* Involved in Setting up the build, configuration and auto deploying using Maven build tool
* Used GIT repository for software configuration management and version control
* Consumed **SOAP** web services for our application
* Followed Agile Methodology and Scrum list as a Software development process
* Prepared Junit test cases using Mockito and Power Mockito and executed the test cases using Junit for the entire project and implemented build process for maven for TDD
* Deployment of ear and war files in **WebLogi**c Server
* Used **SQL** statements and procedures to fetch the data from the database
* Developed code in Java, **J2EE**, Webwork and Hibernate using XP Practices Pair Programming, **TDD**, **Continuous Integration**.
* Developing scalable applications in a dynamic environment, primarily using Java, Spring web services and object/relationship mapping tools
* Implemented **log4j** for logging purposes and debug the application.
* Designed and implemented customized exception handling to handle the exceptions in the application.
* Communicated development status on a regular basis to technology team members.

**Environment:** Java8, Spring MVC, Java 8, Spring JDBC, SOA, Maven, IOS, Jenkins, Angular, Swift, SOAP, GIT, XML, Oracle, WebLogic, Agile, Rally, JSON.

**The Kroger Co, OH Jan ‘2020 – Sep’ 2021**

**Role: Full Stack Developer**

**Responsibilities:**

* Involved in discussions with the client to discuss and understand various components of the requirement and to implement the same.
* Extensively worked on Implementing **Spring Boot Micro Services** to divide the application into various sub modules.
* Implemented Bean classes and configured **in Spring configuration** file **for Dependency Injection**.
* Developed Controller Classes using **Spring MVC, Spring AOP, Spring Boot,** handled securityusing **Spring Security.**
* Program software using **XCODE**, **SWIFT**, and **Cocoa** Touch frameworks.
* Program with **Swift** language for **iOS** in a multiple language codebase (**Objective** C/**Swift**).
* Integrated **REST API** with **Spring** for consuming resources using **Spring Rest Templates** and developed **RESTful web services interface** to Java-based runtime engine and accounts.
* Designed, developed, and maintained the data layer using **Hibernate** and performed configuration of **Spring** Application Framework.
* Used **Java8** features like stream and Lambda expressions.
* Maintained Interface compatibility and concurrency in the project using **Java 8** new features like default, **static** **methods** and **Concurrency** **API**.
* Used **Java** **8** Method References feature to point to methods by their names and used functional Interfaces.
* Automated updating the results of the Testcases from **Eclipse** to **Rally** Directly
* Used **XML, WSDL, UDDI, SOAP** Web Services for communicating data between different applications
* Used the Java Collections API extensively in the application as security protection for **XML, SOAP, REST and JSON** to make a secure Web Deployment.
* Developed Jersey **Restful** Framework of **spring** for consuming and producing web services.
* Developed server-side services using **Java, spring, Web Services (SOAP, Restful, WSDL, JAXB, JAX-RPC).**
* Experience using **SOAP** **UI** for testing web services. Created **JUNIT** test case for various functional modules, modified, debugged, and executed using **JUNIT** plugin to **Eclipse** **IDE**.
* Spring **JDBC** used retrieve and update, inserting data in **MySQL** database with use of stored procedures.
* Involved in creating and extracting data from database using **SQL Queries** in **MySQL** database.
* Extensively used **log4j** to log regular debug and exception statements.
* Hands on experience in development of **Microservices** and deploying into **Docker**.
* Implemented Spring boot microservices to process the messages into the Kafka cluster setup.
* Extensively used **Java 8** features such as lambda expressions, Parallel operations on collections, multithreading and for effective sorting mechanisms.
* Used Streams and **Lambda** expressions available as part of **Java 8** to store and process the data.
* Wrote Kafka producers to stream the data from external rest APIs to **Kafka** topics.
* Created partition of Kafka messages and setting up the replication factors in Kafka Cluster.
* Deployed **Spring Boot** based micro services and **Docker** container on **AWS** EC2 instance.
* Worked on **Docker container** snapshots, attaching to a running container, removing images, managing director structures and managing containers.
* Prepared and executed test cases for Unit and Integration testing using Spock and Groovy.
* Involved in the development of presentation layer and **GUI** framework using **ReactJS** and **HTML**.
* Involved in rendering additional components with custom **HTML** tags using **ReactJS**.
* Performed code review and unit tested the application using Junit framework. Participated in the **production support** and **maintenance** of the project.

**Environment**: Spring Boot Micro Services, Java 8, Spring MVC, Hibernate, XML, SOAP, REST, MySQL,IOS, Kafka, Docker,Swift, AWS, Rally, ReactJS.

**Client: - Kingsway Amigo (Boston, MA) Sep’ 2017– Dec’2019**

**Role: Java Developer**

**Responsibilities:**

* + Worked in an agile team to deliver the requirements provided by the Product owner.
  + Creating Design and Architecture of the overall solution.
  + Worked on Lambda Expressions, Functional interfaces Stream API's, Time API, and Improvements on Collection, Concurrency, and IO improvements by using **Java 8.**
  + Worked in an agile team to deliver the requirements provided by the Product owner and **documented** the workflows.
* Developed **Web Services Application using SOAP and WS-Security.**
  + Implemented the business logic using Java, **Spring Boot, Spring MVC, Spring AOP, Restful API, Spring Data JPA.**
* Used Spring **Kafka** API calls to process the messages smoothly on **Kafka** Cluster setup.
* Worked with modules like **MongoDB** and mongoose for database persistence using **Node**.js to interact with **MongoDB**.
* Developed **DAOs** layer using **Cassandra** database and implemented RESTful web services that persists high-volume of data.
* Working with **Graph-QL** queries and use Apollo **Graph-QL** library.
* Experience writing apps from scratch in **Kotlin** with Android studio.
* Used Jenkins pipelines to drive all micro services builds out to the **Docker** registry and then deployed to **Kubernetes**, Created Pods and managed using **Kubernetes**.
* Used **REST** webservices for integrating with multiple **Payment** gateways **CREDIT** **CARD**, **DEBIT** **CARD**.
* Implemented protective resources like **SSO and OAuth2 using Spring Cloud.**
* **Review/Merge/Remove**Git Pull Requests to **bitbucket.** Run **Ansible Scripts**to provision **Dev servers.**
* Used **Web API** for **HTTP** and **REST** based GET, POST, PUT, DELETE and Returning **JSON** format and worked with Windows **Azure** Worker Roles & **Web Roles.**
* Configured local **Maven** repositories and multi-component Ant projects with Nexus repositories and scheduled projects in **Jenkins** for **continuous integration/continuous deployment (CI/CD).**
* Used **log4j** with **Splunk Logging** for **logging** error/debug messages and managing them.

**Environment:** Java 1.7/1.8, Scala, J2EE, Spring4.0, Spring IOC, Spring Boot, Hibernate 4.3, REST, Kubernetes, Struts 2.0, HTML5, CSS3, JavaScript, Angular 2.0/4.0, React.JS, Node.JS, Hadoop, Graph-QL PostgreSQL, AJAX, JSON, Azure, Android, Log4j, GIT, JIRA, Jenkins, Oracle 11g, VS code, Swift, YAML, OpenShift, CMS, Kafka.

**Client: Cox Communications, Atlanta, GA Sep’2016 – May 2017**

**Role: Full Stack Java Developer**

**Responsibilities:**

* Active involvement in all stages of Software Development Life Cycle **(SDLC)** of the project in **Agile methodology** by participating in daily scrum meeting, sprint grooming/review and demo with management and other teams.
* Worked on the design and development of End-to-End customer self service module using annotation-based **Spring MVC, Hibernate, and jQuery.**
* Implemented Bean classes and configured **in Spring configuration** file **for Dependency Injection**.
* Developed Controller Classes using **Spring MVC, Spring AOP, Spring Boot, handled security using Spring Security.**
* Worked on design and developed **Micro Services** business components using **Spring Boot.**
* Implemented Multithreading, Concurrency, Exception Handling, Generics and Collections whenever necessary.
* Integrated **REST API** with **Spring** for consuming resources using **Spring Rest Templates** and developed **RESTful web services interface** to Java-based runtime engine and accounts.
* Worked on**JDK 1.7 1.8, SOAP, JSP, Servlets, XML/ XSL/ XSLT, XML Schemas XSD, JUnit, JavaScript, RMI, JDBC, Apache STRUTS** **Framework** versions 1.1.
* Involved in the development of user interface applications and professional web applications using **HTML, CSS, JavaScript, React, jQuery, Ajax.**
* Wrote **Docker files** for micro services, also dockized testing environment for those services.
* Leveraged Linux Containers and **AMI's** to create **Docker Images/ containers** images, tagging and pushing images.
* Used **Jenkins** pipelines to drive all micro services builds out to the **Docker registry** and then deployed to **Kubernetes**, created **Pods** and managed using **Kubernetes**.
* Implemented complete **Maven** build life cycle to achieve organized application structure and conflict free dependencies in pom.xml file.
* Used Streams and **Lambda** expressions available as part of **Java 8** to store and process the data.
* Deployment of applications into Continuous integration environments like **Jenkins** to integrate and deploy code on CI environments for development testing.
* Integrated Rally Plugin in Eclipse to update the status of the Stories of **Rally**.
* Written **JUNIT** tests as per the use case and used **Mockito** framework to confirm the expected results.
* Used **JIRA** tool for Issue/bug tracking, monitoring of work assignment in the system.
* Developed **Git** controls to track and maintain the different version of the project.
* Developed web based and Windows based applications using **ASP. Net, C#.Net, ADO.Net, Web Services, IIS, VB Script, Java 8**

**Environment:** Java JDK 1.7, J2EE, Java 8, Spring 4.2, Hibernate 4.3, AWS (EC2, S3, IAM), Spring MVC, Spring Boot, Micro Services, HTML, CSS, JavaScript, React, jQuery, REST Web Services, MongoDB, Splunk, Grafana, Kafka, Docker, Kubernetes, AWS S3, RDS, Maven, JUnit, JMS, Jenkins, JIRA, Rally, Git.

**Client: - Amigos Software Solutions (Hyderabad, India) June 2014 – July 2015 Role: Junior Java Developer**

**Responsibilities:**

* Performed validation for client side and server side with the help of Struts Validation Framework
* **Created XML Schema, XML template and XSL.**
* Developed **Web Services Application using SOAP and WS-Security.**
* Developed and maintained elaborate services-based architecture utilizing open-source technologies like **Hibernate ORM.**
* Deployed components on **J Boss and Web Sphere application server.**
* Designed banking web application by implementing the **Struts 1.2 framework for Model View Controller pattern.**
* Used Oracle platforms to create databases of student and faculty login information and their desired areas of study.
* Involved in discussions with the client to discuss and understand various components of the requirement and to implement the same.
* Created, executed, and monitored **Java unit** and **automation tests** within framework.
* Created and maintain **software documentation**.
* Gained experience in a number of financial areas, including trade order management, portfolio management, fixed income, compliance, equity, derivatives, etc.
* Involved in development of the application, writes use cases and serves as a primary contact with QA on **testing support**.

**Environment:** SOAP, WS-Security, Hibernate, J Boss, Web Sphere, Oracle, Struts 1.2, MVC pattern, Java Unit.