**Fahimul Islam Shakil**

**Sr. Java Full Stack Developer**

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**Professional Summary:**

* Passionate and exuberant software developer with 7+ years of experience in the Insurance, Financial, and E-commerce areas. Expert in Enterprise software development, solving and dealing in complicated Client/Server Implementation, Web Development, and object-oriented technologies.
* Expertise in all phases of the **Software Development Life Cycle** (SDLC), including requirements analysis, design specification, code development, code integration, testing, and deployment, also in Object-Oriented Analysis and Design with **Core Java & J2EE.**
* Proficient knowledge of **Java J2EE** technologies such as **Struts, Spring, JSP, EJB, JDBC, Servlets, MVC, JSON, Subversion,** and **Clear Case**.
* Implemented Graphical User Interface (**GUI**) pages by utilizing **JSP, HTML5, CSS3, JavaScript** and **J-Query.**
* Experienced in using **Perl,** jQuery**,** JavaScript**,** and **JSON** on the front end.
* Created Typescript reusable components and services to consume **REST APIs** using Component-based architecture provided by **Angular 12.**
* Extensive knowledge of JavaScript frameworks including **Angular.js, Node.js, and Backbone.js**.
* Experience building the front end of applications using Angular and developing web applications using the MEAN **(MongoDB, Express.js, Angular, Node.js)** stack.
* Creating and Maintaining client-side user interfaces using **React JS** and Redux for SPA development.
* **React** and **Redux** development experience for building reusable components and application state management.
* Used **Java 8 features** like **Lambda Expressions**, Stream API, Default Static methods in interfaces, **Date and Time API**, and Concurrency and parallelism improvements.
* I have a strong working knowledge of the various Spring structural modules, including **Spring IOC** (Inversion of Control), **Spring AOP** (Aspect-Oriented Programming), **Spring MVC** (Model-View-Controller), **Spring DAO** (Data Access Object), **Spring ORM** (Object-Relational Mapping), **Spring Security, Spring Web Flow, Spring Boot, and Spring Cloud**.
* Solid familiarity with **ORM** tools like **Hibernate** and **Spring JDBC**.
* In-depth knowledge and understanding of Service Oriented Architecture **(SOA)**, including Web Services like **SOAP, REST, UDDI, WSDL, JMS** (Java Messaging Service),and **JAX-WS.**
* Hands-on experience with web servers including **WebLogic, WebSphere Application Server, JBoss,** and **Apache Tomcat.**
* Proficient in **payment processing** using frameworks such as **Spring MVC and JSF**, with a strong understanding of messaging systems like Kafka for secure and scalable real-time payment processing.
* Proficient with Web descriptors like **pom.xml** and **web.xml.**
* Expertise in databases such as **Oracle, MySQL, SQL Server, NoSQL, Mongo DB, Cassandra,** and **IBM DB2** databases to manage tables, views, indexes, sequences, stored procedures, functions, triggers, and packages.
* Working experience with NoSQL DBMS like **MongoDB** as well as RDBMS like **MySQL, Oracle SQL PL/SQL, SQL Server (MS SQL), and DB2**.
* Working knowledge of **CI/CD** (Continuous Integration and Continuous Deployment) using **Jenkins**.
* Handled fabric services to be deployed in containers and images, using **Docker** in a Linux environment.
* Used **Kubernetes** to deploy scale, load balance, scale and manage Docker containers with multiple namespace versions.
* Proficient with using cloud computing services like **Amazon Web Services (S3), EC2, Lambda service, and ELK stack**.
* Involved in writing **Java API** for **Amazon Lambda** to manage some of the **AWS services**.
* Used **JIRA** to test and monitor software or application-related bugs and issues.
* Proficiency in Test-driven development (TDD) programs like **JUnit** and **Mockito** for creating efficient and effective unit tests, and mock objects.
* Used Splunk platform to collect, analyze, and visualize machine-generated big data from a variety of sources, including logs, metrics, and events.
* Experience in handling end users and troubleshooting real-time issues, such as network, operational, and application problems, in a production environment.

 **TECHNICAL SUMMARY:**

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| **Programming Languages** | C, Embedded C, Java 13/12/11, J2EE, Python, SQL, and MATLAB |
| **Web Technologies** | HTML, XML, CSS, JavaScript, TypeScript, jQuery, JSON, JSP, AJAX, DOM, DHTML, XHTML. |
| **Java Technologies** | JDBC, Servlets, JSP, JSTL, Spring MVC, EJB, JSF, JMS, Log4J, Spring Boot, Spring Cloud, Spring Batch, Spring Security. |
| **JavaScript Technologies** | Angular 9/10/12, Backbone JS, React JS, jQuery, EXT JS |
| **Development Approach** | Waterfall, Agile and Test-Driven Development (TDD) |
| **Testing Tools** | Karma, Soap UI, JUnit, Mockito, Log4j and JIRA |
| **Application/Web Servers** | Apache Tomcat, Glassfish, and Red Hat JBoss, IBM Web Sphere, WebLogic |
| **IDE’s** | IntelliJ IDEA, Eclipse, My Eclipse, PyCharm and Net Beans IDE, Visual studio code, Spyder, Jupiter iPython and MATLAB. |
| **Frameworks** | Spring, JSF, JUnit, Hibernate ORM, Struts |
| **Web Service Protocols** | SOAP, REST, JAX-RPC, JAX-WS, JAXB, WSDL and UDDI |
| **Operating Systems** | Windows, Mac OS, and LINUX (Ubuntu, RedHat, Fedora, CentOS) |
| **Build Tools** | Maven, Ant, and Gradle |
| **Databases** | IBM DB2, Oracle 9i/10g/11g, SQL Server and MySQL, MongoDB, Dynamo DB, Cassandra |
| **Cloud Technologies**  | AWS EC2, S3, Dockers, Kubernetes, Elastic Beanstalk EBS, Elastic Load Balancing ELB, API-Gateway, Cloud Foundry |
| **CI/CD Tools** | Jenkins, Bamboo |
| **Project Management Tools** | JIRA, Rally, Confluence, TFS, Bugzilla |
| **Version Control Tools** | GIT, CVS, SVN, Mercurial, VSS |

**WORK EXPERIENCE:**

**Client – PNC Financial Services, Dearborn, Michigan** **December 2022 to Present**

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

**Responsibilities:**

* Involved in all the phases of **SDLC** (Software Development Life Cycle) using the **AGILE Scrum** Methodology. Actively involved in **mock screen** development and project start-up phase.
* Expand features, refine code, and improve processes, producing smoother operations and enhancing user engagement.
* Developed new screens for the application using **HTML5, CSS3, JSP, JavaScript and AJAX**.
* Used to update **HTML** pages using **JQUERY, AJAX** via **JSON** to handle client-side validations.
* Designing frontend within object-oriented JavaScript frameworks like **Angular.js**.
* Created Typescript reusable components and services to consume **REST APIs** using component-based architecture provided by **Angular 12.**
* Designed dynamic client-side JavaScript codes to build web forms and simulate processes for a web application, and page navigation using **Angular**.
* Developing single-page applications using **Angular, Typescript, HTML5, CSS3,** and **Bootstrap**.
* All the functionality is implemented using **Spring Boot** and **Hibernate ORM.** Implemented Java EE components using **Spring MVC, Spring IOC, Spring transactions,** and **Spring security** modules.
* Used **Java 12** features like lambda expressions for communicating between the business layer and database, and **stream API** for Bulk Data Operations on Collections using both streams and parallel streams.
* Implementing or exposing the **Microservices** based on **RESTful** API utilizing **Spring Boot** with **Spring MVC**.
* Wrote **Microservices** to export/import data and task scheduling and **Spring boot,** Spring, and **Hibernate** in the Microservices and Swagger API for **Microservices**.
* Implemented **Spring boot Microservices** to process the messages into the **Kafka cluster** setup.
* Knew **Kibana** and **Elastic search** to identify the Kafka message failure scenarios.
* Used **Microservice** architecture with **Spring Boot-based** services interacting through a combination of REST and **Apache Kafka** message brokers and worked with **Kafka Cluster** using **Zookeeper**.
* Implemented **real-time payments** with Java Spring and MySQL database, integrating payment gateways and user interfaces using **JSF and Spring MVC** for seamless connectivity with payment networks and processing systems.
* Involved in Designing and implementing **REST services** using the Spring Boot application.
* Extensively used **Node JS, and NPM modules** (HTTP, FS, Express, Grunt, Bower, FS)
* Developed **Web services** for the services to get the data from external systems to process the request from the client side.
* Used spring framework for integrating the **MVC** components with business services and worked on **Spring MVC** Architecture for web applications.
* Published and consumed **Web Services** using **SOAP, and WSDL** and deployed it on WebLogic server Web Server.
* Created controller Servlets for handling **HTTP requests from JSP pages.**
* Responsible for writing/reviewing server-side code using **Spring JDBC** and **DAO** module of Spring for executing stored procedures and **SQL** queries.
* Built scripts using **MAVEN** that compile the code, pre-compile the **JSP's**, built an EAR file, and deployed the application on the WebLogic application server.
* Written **SQL, PL SQL, and HQL** queries, Implemented Transaction management.
* Designed and created the **NoSQL DynamoDB** database to store the application data.
* Used **JSON** for validation, and documentation data required by a given application.
* Experienced in Working on modules like **MongoDB** for database persistence using **Nodejs** to interact with **DynamoDB**.
* Involved in creating custom **IAM** policies for various groups and various services. Used **Simple Notification Service (SNS)** to trigger the **Lambda function** and send email notifications to business clients.
* Used **AWS** S3 for multipart upload of data and to host static web content in AWS Cloud.
* Designed and developed the **Amazon EC2** instance to copy the file from the mainframe to the cloud.
* Designed and developed **Cloud Formation** Templates and Scripts by using the programming Language.
* Experience with cloud platforms **AWS, CI/CD** tools (Jira, Confluence, etc.), and practices.
* Used Jenkins for **CI/CD** Continuous Implementation and Continuous Delivery.
* Worked on Hibernate by writing persistence classes. Experience in using Hibernate for mapping Java classes with database and using Criteria **API** and Hibernate query language (HQL).
* Used **GIT** as a documentation repository and version-controlling tool and Used **GitHub** to keep track of source code versioning.
* Experience in testing with **JUnit Framework** using **Mockito** and **Spring Junit Runner**, **JMeter**

**Environment:** Core JAVA, J2EE, JSON, JSP, MAVEN, Eclipse, Hibernate, Spring MVC, Spring IOC, Spring Transaction, Spring Security, Spring Boot, Spring JDBC, zookeeper, JavaScript, HTML5.0, CSS3, AJAX, Web services, SOAP, RESTful, Oracle, Web Logic, Apache Kafka, Kafka Cluster, Kafka Streaming, WSDL, DAO, SQL, SOAP, WSDL, SOAP UI, Jenkins, LOG4j, GIT, AWS S3, Amazon EC2

**Client – Centene Corporation, St. Louis, MO March 2021 – Nov 2022**

**Role: Full Stack Java Developer**

**Responsibilities:**

* Involved in various phases of the Software Development Life Cycle (SDLC) of the application Requirement gathering, Design, Analysis, and Code development.
* Requirements gathering Analysis, Design, Business logic implementation and Unit testing, Deployment and Maintenance of the Application.
* Modified the UI screens created by web designer using **HTML5, CSS3,** and **JavaScript, React.js.**
* Worked in using **React JS** components, Forms, Events, Keys, Router, Animations, and Flux concepts.
* Participated in product evaluation for Billing and subscription software by developing interfaces in **MuleSoft**.
* Created testing documents for Unit Testing, Functional Testing, and Integration Testing strategies using MuleSoft-provided MUnit Test Suites with a code coverage target of 90%.
* Implemented client-side form validation, and form view results using various components, services, and pipes in **Angular**.
* Used React JS for templating for faster compilation and developing reusable components.
* Worked with **MySQL** database **MongoDB** to store **JSON**-like dynamic connections data.
* Used Redux-form to manage form state in Redux.
* Developed the applications using **JSP**, and Struts and implemented **Spring** **MVC** Architecture.
* Implemented business tier using **Spring** IOC, **AOP,** and **MVC**.
* Performed User Interface Design and coding using **JAVA**, **SPRING** framework, and **Web** technologies.
* Utilize Camel to integrate **Microservices** with other Microservices and **RabbitMQ** messaging exchanges. Developed Scripts for AWS Orchestration.
* Wrote Notification Microservice to send notifications via Email, Push, and SMS.
* Designed and implemented a **SOA** Microservice with a **JSON**, HTTP, REST API’s.
* Utilized Spring annotations and **XML** configuration for Dependency Injection.
* Used Object-relational mapping (**ORM**) framework Hibernate for database mapping, supported with DAO, Service, Controller of Spring Boot framework, used Spring Java Persistence API(**JPA**), **Spring** **IOC** methodologies.
* Participated in product evaluation for Billing and subscription software by developing interfaces in MuleSoft.
* Integrated the IOC container of Spring Framework, dependency injection, and transaction management.
* Configured Persistence-Context in Spring **JPA** and Hibernate as a persistence provider to interact with the Oracle database.
* Worked extensively on developing controllers, Interfaces, and implementation classes using **Spring** **MVC** **framework** & used Microservice architecture with **Spring** **Boot-based** service through **REST**.
* Implemented Spring Security framework in the services.
* Used Java Message Service (**JMS**) with **ActiveMQ** as the middleware to handle the communication between two services.
* Used **Tomcat Server** running for the application development and deployment and **JIRA** for issue tracking.
* Restful web services using Jersey for **JAX-RS** implementation and to transport detain **JSON** format.
* Designed and implemented a stream filtering system on top of **Apache** **Kafka** to reduce stream size.
* Worked on power DNS on the AWS cloud and maintained it with **MySQL** database.
* Programming scripts for confirming retrieved data in **Oracle** databases.
* Used **Jenkins** for **CI/CD** Continuous Implementation and Continuous Delivery.
* Worked on Amazon Web Service (AWS) EC2 and Continuous Integration with Jenkins**.**
* Designed, Developed, and Implemented the J2EE Microservices on AWS EKS using the **Kubernetes**, Docker CE, and Jenkins CI pipeline.
* Extensive use of a centralized **Git** repository, for source code management after deploying successful changes into local machine.
* The application is based on Microservice using Angular **Cassandra** **DB** and MySQL to develop single-page applications (**SPA**).
* Experienced in Enzyme, used JavaScript Testing utility for React and to test React components, also to provide a set of APIs for manipulating, traversing, and asserting the output of components.
* Worked with **Eclipse**, and various plug-ins, and used Maven to manage project dependency and package code.
* Designed and prepared Unit test cases using **Junit** and **Log4j** and removed the maximum bugs before passing on the application to the **QA** team.

**Environment:** Agile methodology, Core Java, Java/J2EE, JDK, Spring Boot, Spring Framework, Spring MVC, JIRA, JAXB, JMS, Linux, JAX-RS, SOAP/Rest, JavaScript, HTML5, CSS, MySQL, AngularJS, ReactJS, Oracle Database, Git, Junit, Eclipse, JSON, Apache Tomcat, JMS, Maven, AWS, Jenkins, JIRA, Hibernate, Bootstrap, Microservices.

**Client – Zurich Insurance Group,** **Maitland, FL July 2019 – Feb 2021**

**Role: Sr. Java Developer**

**Responsibilities:**

* Used **Agile methodology** and effectively took part in **Scrum gatherings** to deliver quality deliverables within time (extensively used **Scrum Do** for project Management).
* Worked as a part of the **Agile** team and followed the methodology on a routine and attended regular Scrum meetings held by the Scrum Master.
* Implemented Model View Controller architecture by applying **AngularJS** framework.
* Used **AngularJS** Controllers and created Directives for each data element using **AngularJS** framework to create a customizable dashboard.
* Responsible for creating **HTML** templates for each tile on the dashboard and used **Bootstrap** framework to handle the layout of the tiles on the dashboard.
* Experienced in writing Hibernate Query Language (**HQL**) for the persistence layer.
* Designed and developed all the user interfaces using **JSP, Servlets,** and **Spring framework**.
* Experience in Micro services development using spring boot and deployment in **Pivotal Cloud Foundry** (**PCF**).
* Developed the **DAO** layer using Hibernate and used a caching system for real-time performance.
* Designed and developed various modules of the application with **J2EE design architecture, and Spring MVC architecture using IOC, and AOP concepts.**
* Used **Spring IOC** for dependency injection and **Spring AOP** for cross-cutting concerns like logging, security, and transaction management.
* Converted a monolithic app to Microservices using Spring Boot using a 12-factor app methodology. Deployed, Scaled, Configured, and wrote manifest files for various Microservices in PCF.
* Based on **ETL** Mapping Specifications, developed the ETL Jobs using **Talent** Integration Suite by using various transformations.
* Developed the **Maven** scripts for preparing **WAR** files used to deploy J2EE components into the server.
* Developed persistence APIs that can store data synchronously and asynchronously to **Cassandra** data store with batching.
* Build, Test, and develop applications from **Docker** containers and deploy them into the **PCF** environment.
* Implemented the Web Services functionality in the application to allow access by external applications to the data. Deployed the application in **IBM** **WebSphere** Application Server.
* Used **Grunt** to handle magnification, compilation, and unit testing and used Bower to manage all package dependencies.
* Implemented the functionality of fetching of data from different sources and persisted the data through Hibernate, to separate the DAO layer from the **Database** layer and using core Java classes.
* Created Jobs, managed **pipelines,** and scheduled projects for continuous integration/continuous deployment (CI/CD) using **Jenkins**.
* Committed code changes into the repository by using the version control tool **Bit Bucket**.
* Performed **JUnit** testing for testing all features on the Backend and Frontend.
* Participated in technical code reviews, prepared unit test cases, detailed time estimation and impact analysis, and code review documents.

**Environment:** JDK 1.7, AngularJS, HTML5, CSS3, AXIS2, JSP, PCF, JavaScript, CSS, IBM WebSphere, Bootstrap, HQL, Cassandra, Junit, Grunt, Bit bucket, SQL Developer, Jenkins, Spring core, Hibernate, Agile Methodology, VMware Fusion, Windows 2007/2010/2015, Mac OS X, Microservices.

**Client –** **American Express, Dallas, TX Jan 2018 – June 2019**

**Role: Java/J2EE Developer**

**Responsibilities:**

* Worked on the design phase and data modeling, and interacted with other team members to understand the requirements for the project.
* Developed cross-browser/platform **HTML**, **CSS**, and **Angular 7** to match design specs for complex page layouts while adhering to code standards.
* Developed dynamic e-mails using JavaScript and hand coding of **HTML** and **CSS**.
* Developed presentation tier using **JSP**, **JavaScript**, **HTML**, and **CSS** for manipulating, validating, and customizing, error messages to the User Interface.
* Responsible for designing and implementing the front end including functional and visual user interface utilizing **jQuery** and **Bootstrap**.
* Developed **ANT** scripts to build and deploy the application in the **JBoss** Application Server.
* Built Spring-based Java and **Scala** Microservices to support the application.
* Coded JDBC calls in the **servlets** to access the **Oracle** database tables.
* Provided Production Support, and created **ORACLE** views which were displayed as a report using an existing WEB browser interface.
* Developed **SQL** stored procedures and prepared statements for updating and accessing data from the database.
* Used **SVN** for version control of the application.
* Developed **JUnit** test cases for **DAO** and Service Layer methods to accomplish the **TDD** approach.
* Interacted with the **quality assurance** team for requirements gathering and analysis.

**Environment:** Java 1.7, Java J2EE, JDBC, HTML, CSS, Angular, JSP, Oracle, Ant, JBOSS, JavaScript, REST, SVN, jQuery, Bootstrap, Junit, Microservices.

**Client – AKIJ Group, Bangladesh July 2016 – Dec 2017**

**Role: Jr. Java Developer**

**Responsibilities:**

* Designed user interface screens using **JSP**, and **HTML**. Used JavaScript for client-side validation, and **CSS** for further support.
* Interacted with the business users and collected the requirements. Analyzed business requirements, and designed, and recommended solutions over Waterfall Methodology.
* Developed the GUI using Struts Framework, JSP, Servlets, HTML, CSS, and JavaScript.
* Worked with object-oriented programming concepts such as Inheritance, Polymorphism, and Encapsulation.
* Setting up **Linux servers with Apache Tomcat**, Assisted Database Developers using PL/SQL for managing data associated with the tables.
* Used JDBC to connect to the Oracle database and developed SQL Queries for performing CRUD operations in Oracle for the application.
* Used **Log4J** to capture the log that includes runtime exceptions. Also Implemented a representation layer and provided responsive information by using **HTML**, **CSS**, JavaScript, **jQuery**.
* Improved the performance and integrity of code by processing thread concepts.
* Implemented the coding standards for improving the performance of the Website. (Code Reuse, jQuery chaining, namespacing, CSS selector performance)
* Used **Subversion** for version control and **Ant** as a building tool.
* Coordinated with the client and upper-level management, as well as cross-functional teams to test the solutions for production issues and customizations.
* Developed and deployed business logic using session beans and servlets.
* Created various Junit Unit Test Cases by using the Test Driven Development (**TDD**) technique.

**Environment:** Java, J2EE, HTML/CSS, Oracle, jQuery, AJAX, SVN, Servlets, JSP, Junit, Linux, Ant, JavaScript, Bootstrap, Waterfall Methodology

**Education**: Bachelor of Science in Computer Science Engineering from the University of Liberal Arts in Bangladesh.