**Mohammed Navid Izhar**

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**Professional Summary:**

* Over 11+ years of IT experience in Analysis, Design, Development, implementation, and execution of test cases of software applications using Java/J2EE technologies.
* Experienced in Java Application Development, Object Oriented Concepts, Object Oriented Design (OOD), Object Oriented Analysis (OOA), Object Oriented Programming (OOP), and its implementations.
* Extensive experience in the Analysis, Design, Development, Implementation, and Testing of enterprise applications with web technologies, distributed technologies, and client-server architecture environments.
* Good working knowledge in Java/J2EE technologies: threads, RMI, Networking, Exceptions, JDBC, Servlets, JSP, EJBs, JMS, XML, JSF, and Microservices environment.
* Strong JAVA/J2EE application development background, with experience in defining functional and technical specifications.
* Strong knowledge in core Java concepts like collections, multithreading, design patternsns, and serialization.
* Developed multi-tiered object-oriented system architectures utilizing Use cases, and UML (Sequence, Activity, and class diagrams).
* Developed backend web services using NodeJS and stored dependencies using NPM.
* Involved in using ReactJS components, Forms, Events, Keys, Routers, Animations, and Flux concepts.
* Java/j2EE with EJB's, Java servlets, JSP and the Grails framework. The embedded application was also implemented in Scala and built with the Akka framework.
* Experience in Dynamic SQL, PL/SQL Collections, and Exception handling.
* Developed no SQL/PL/SQL Procedures and database triggers for the validation of input data and to implement business rules.
* Knowledge on Linux operating system, UNIX commands, and PERL script.
* Experienced in Apache Spark for implementing advanced procedures like text analytics and processing using the in-memory computing capabilities written in Scala.
* Extensive experience with databases such as Oracle and MySQL, MongoDB.
* Experience in automated deployment tools such as Kubernetes which is used to deploy quickly.
* Developed backend web services using Node JS and stored dependencies using NPM.
* Experience in UI frameworks such as jQuery, Ajax, JavaScript, NodeJS, ReactJS, Backbone Js, and Angular 4,6&8, and experience in Client-side validations.
* Good experience in building artifacts by using build.xml in ANT and pom.xml in MAVEN.
* Involved in building stable React components and stand-alone functions to be added to any future pages.
* Worked on Microservices for Continuous Delivery environment using Docker and Jenkins.
* Worked with team in the implementation and development AWS EC2 instance, Amazon S3, Amazon RDS, Amazon Simple DB, and Amazon Elastic Load Balancing.
* Extensive in developing Selenium Test Scripts using Java in Eclipse IDE.
* Knowledge of functional programming concepts, including immutability, higher-order functions, and type inference, and experience applying them in Scala and Java projects.
* Experience developing and implementing applications using the Akka framework and actor-based concurrency model in Scala.
* Good understanding of Kafka security features, including authentication, authorization, and encryption.
* Expertise with employment of Spring Kafka and Zookeeper apart from JMS as messaging service.
* Used Pivotal Cloud Foundry (PCF) to quickly build, deploy & update the applications.
* Focused on architecting NoSQL databases like MongoDB, Cassandra and Cache database.
* For client-side view rendering services, used ReactJS and various predefined Redux libraries.
* Helping to transition team from vertically locked condition in TFS into (JIRA, Jenkins, GitHub) DevOps environment 2 of the project.
* Reported security and micro service incidents to management. configuration of RedHat /Linux to fit security attending SCRUM meetings.
* Experience in developing web services (WSDL, SOAP and REST) and consuming web services with Java programming language.
* Hands-on experience in creating and registering event listeners and dispatching events using Java Event Framework.
* Solid understanding of AWS Services like EC2, S3, VPC, Route 53, Systems Manager, Cloud Trail, Cloud config.
* Implemented advanced java API and core java for coding sophisticated business logic.
* The module is developed using Play and Akka, Scala framework using java8 reactive paradigm.
* Extensively worked with open-source technologies: Struts (MVC), spring, Hibernate, Axis, and Junit frameworks.
* Implemented the Java design patterns: Session Façade, Data Access Object (DAO), Value Object, Business Delegate, Service Locator, Interceptor Filters, Singleton, Factory, and Command.
* Proficient in front-end/client-end Java, J2EE technologies: Servlets, Java Server Pages (JSP), HTML, XML, XHTML, JavaScript, Typescript, AJAX.
* Strong understanding of RDMS concepts and working experience with Relational Databases like SQL Server, Oracle, My SQL, and DB2.
* Experience in writing with no schema database Couch DB and knowledge on MongoDB.
* Composure and hands-on experience with build tools: ANT, Maven.
* Expertise with Web/Application servers: Apache Tomcat, IBM Web Sphere, BEA Web Logic.

**TECHNICAL SKILLS:**

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| **Java/J2EE Technologies** | Java 8, J2EE, JSP, JMS, JDBC, Servlets, JNDI, XML, Struts, Web Services (SOAP, JAX-RPC, JAX-WS, JAX-RS, WSDL, XSD), Ant, JUnit, Log4j |
| **Web Technologies** | HTML, DHTML, PHP, CSS, JavaScript, Python, Typescript, jQuery, AJAX, XML, VXML 2.0, XSLT, Photoshop, Adobe Flash, and Adobe Flex. |
| **Other Technologies** | SQL, PL/SQL procedures, SQL Loader, Oracle Report, Python, Shell Scripting, Perl, MS Excel, NoSQL, Mongo DB, Azure, Kafka, Jira |
| **Design Skills** | UML (JUDE, Rational Rose, Visio), Object-oriented Analysis and Design (OOAD), Java & J2EE Design Patterns |
| **IDE** | Eclipse, My Eclipse, WSAD, RAD, Net Beans, Visual Studio. |
| **Web &Application Servers** | IBM Web Sphere, Web Logic, Apache Tomcat, JBoss, Angular 2, Angular 4 &12SOAP UI, AXIS |
| **Testing Tools** | JUnit, Mockito, SOAP UI, JTest, Firefox plug-in |
| **UI Applications** | HTML 4.0/5, CSS2/CSS3, JavaScript, Angular JS, React JS, NodeJS, jQuery, AJAX, JSON, XHTML, XML and Bootstrap. |
| **Data Bases and Tools** | Oracle, IBM DB2, SQL Server, MS-ACCESS, MYSQL,TOAD |
| **Operating Systems** | Windows, MS-DOS, Solaris, UNIX, LINUX, MAC OS |
| **CI/CD Tools** | Jenkins, Chef, Docker, Ansible, Vagrant |
| **Version Control** | Rational Clear Case, CVS, SVN, GitHub |
| **AWS** | EC2, RDS, S3, ELB, SNS. |
| **Design Skills/ Methodologies** | UML, Data Modeling, J2EE Design Patterns, MVC, Agile, and Scrum. |

**PROFESSIONAL EXPERIENCE:**

### Client: TD-Bank, Cherry, Hill NJ

### Role: Java Full Stack Developer May 2022– Till Date

**PROJECT DESCRIPTION:**

I worked ona wide range of technologies, including Java, Angular, Hibernate, Kafka, AWS, and Docker, among others. Even have experience in various software development processes like SCRUM, Waterfall, Iterative, and Agile methodologies.

Have expertise in designing and developing multi-tiered object-oriented system architectures and implementing microservices architecture Also, in building and deploying microservices in a Continuous Delivery environment using Docker and Jenkins and have worked on AWS services.

**Responsibilities:**

* Involved in various phases of Software Development Life Cycle (SDLC) of the application like requirement gathering, Design, Analysis and Code development.
* Worked in agile framework as an individual contributor Responsibilities include - Interaction with Business team in story grooming, reviewing story/acceptance criteria.
* Used Java8 features like streams and Lambda expressions and 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.
* Used Micro servicearchitecture with Spring Boot based services interacting through a combination of REST and Apache Kafka message brokers and also worked with Kafka Cluster using Zookeeper.
* Improved the UI using Angular 8, Angular Material , Bootstrap, Priming
* Closely worked with Kafka Admin team to set up Kafka cluster setup on the QA and Production environments.
* Converted a monolithic app to micro services architecture using Spring Boot using 12-factor app methodology. Deployed, Scaled, Configured, wrote manifest file for various Micro services in PCF.
* Generated Metrics with method level granularity and Persistence using Spring AOP and Spring Actuator.
* Used REST and SOAP Web Services to acquire credit history information.
* Involved in consuming RESTful web services using Angular JS to render JSON data.
* Created Res-useable components , Custom Modules, Custom Directives , Pipes Services in Angular 9.
* Wrapper developed in Python for instantiating multi-threaded application and running with other applications.
* Development of test framework using the Python.
* Developed batch processing applications using spring batch deployed on AWS.
* Worked on AWS Elastic Load Balancing, created EC2 instances and worked on autoscaling the instances.
* Used CFT templates for creating AWS stack, S3 buckets, Roles, and Policies.
* Worked on CHEF scripts for automation and bootstrapping of applications on EC2 instances.
* Rewrite existing applications and migrated applications and the to the AWS cloud as part of modernization project.
* Designed and documented CI/CD tools configuration management.
* Experience with various MVC Java frameworks like Angular.JS, NEXT.JS, Backbone.JS, Node.JS, EmberJS, Bootstraps Js, RequireJs, D3.JS, etc. Responsible for developing the partner Homepages using HTML5, CSS3, JavaScript, and JQuery.
* Developed crypto rest services using NodeJS and integrated services.
* Developed web applications running on NodeJS using the Express framework, Vue.js and Backbone.js with Mustache.js for front end MVC/templating.
* Developed dynamic responsive Web Application by integrating Angular8 with Bootstrap which is further integrated with Web Services and Vue.js.
* Implemented the function to send and receive AMQP messages on RabbitMQ synchronously and asynchronously and send JMS message to Apache ActiveMQ on the edge device.
* Used GIT as source code collaborator and GitHub for maintaining code and documentation.
* Migrated the Application from Spring MVC to Spring Boot.
* Experience in developing scalable solutions using **NoSQL databases CASSANDRA, MongoDB,DynamoDB.**
* Used NOSQL database Amazon DynamoDB to store data of reporting Application.
* Involved in capacity planning and requirements gathering for multi data centerCassandra cluster
* Used MongoDBdocument-oriented database to store data.
* Implement a production ready, load balanced, available and fault tolerant Kubernetes infrastructure.
* Worked with containerization tools, can implement transition to Docker and develop distributed cloud system using Kubernetes and Helm package manager for Kubernetes.
* Migrate Data from Elasticsearch-1.4.3 Cluster to Elasticsearch-5.6.4 using Logstash, Kafka for all environments.
* Elasticsearch and Logstash performance and configuration tuning.
* Developed and deployed UI layer using JSP, XML, JavaScript, HTML5,Ajax, Jquery, React JSand CSS3.
* Used Spring Framework for DI/IOC and ORM components to support the Hibernate tool.
* Used Spring DAO for developing the data access layer.
* Integrated Hibernate 4.1 along with EHcache and used annotations for mapping ORM classes to DB.
* Developed Hibernate mapping file and the hql queries for retrieving data from the Oracle database.
* Involved in Configuring web.xml and Spring-config.xml according to the Spring framework.
* Developed application based on the MVC Architecture using Spring MVC to define Dispatcher Servlet, Controller, model, and View Resolver.
* Used Core Java classes to implement business logic.
* Responsible for installation, configuration, and administration of Red Hat Linux, Solaris systems.
* Used Maven to build war and ear files to deploy on JBoss Application Server 7.
* Monitored and fixed the error logs using Log4J,configured log4j.xml.
* Followed Test Driven Development(TDD) and wrote server-side test cases using JUnit 4.12.
* Implemented agile development process on Software Development Life Cycle.
* Participated in Docker and AWS workshops to gain experience with the emerging technologies.
* Actively participated in the daily SCRUM meetings to produce quality deliverables within time.

**Environment:** Java 1.8,11, Design Patterns, Servlet, JSP, Spring MVC 3.2, Spring Boot,Hibernate 4.1, Web services – SOAP & Restful, WSDL, Oracle 11g, Maven, JBoss 7, EJB 3.0, JMS, XML, SVN, Log4J, Eclipse 4.0, HTML5, Java script, AJAX, jQuery, JUnit 4.12, Agile Methodology, SCRUM.

## **Client: Samsung R&D Institute Bangladesh, Ltd., Dhaka, Bangladesh**

## **Role: Sr. Java Developer Nov 2013 – Jan 2022**

**PROJECT DESCRIPTION:**

As a team of Java developers, we developed web-based applications using Java, Spring MVC, Hibernate ORM framework, and JPA. You have also worked with e-commerce applications, developed Java backend batch jobs, and implemented Spark Streaming projects, preferably using Scala and Spark SQL**.**

**ROLES & RESPONSIBILITIES:**

* Used Scrum as a development methodology, participated in Daily Scrum meetings, Sprint planning and Sprint Planning, Retrospective, and other Agile meetings.
* Used latest Spring Boot stack, which is radically faster in building cloud based Micro services with very less configuration.
* Design and development of Microservices using Spring Boot, Java 8, Kafka, NoSQL, and other Java/J2EE development technologies.
* Deployed Spring Boot based microservices Docker container using Amazon EC2 container services and using Jenkins CI/CD pipelines.
* Extensively used the latest Java 8 features likeFunctional Interfaces, Stream API, Time API, Transaction Management, Exception Handling, Collection API and Lambda Expressions.
* Extensively using core JAVA concepts like Collections Framework, Multi-Threading, Exception handling for developing application modules.
* Supported Legacy application which was built on Spring Framework modules such as Spring MVC, Spring IOC, AOP and Spring JDBC, Spring Data, Spring REST, Spring IO, Spring Security, Spring Boot with Thyme leaf template
* Involved in writing of multiple batch jobs using Spring Batch framework where we configured both annotation & xml-based configuration to support various business functionalities.
* Implemented Spring data JPA, Hibernate, Hikariconnection pooling to establish and manage database connection pool and leaks, perform data transactions. Used Spring JPA and Hibernate with entity beans for interacting persistence layer for CRUD operations.
* Create and maintain web pages using HTML, CSS, JavaScript, jQuery, Java, J2EE and responsible for Designing of Web pages including Ajax controls and XML.
* Implemented responsive UI rich web applications with HTML5, CSS3, SCSS, Bootstrap and Angular2 frameworks and used reactive forms to associate HTML elements to model & provide dynamic user validations on client side.
* As part of securing the Restful webservices we used spring security filters along with bearer token authentication mechanism using JWT token.
* Worked on spring based web application development in AWS cloud for media tools with Spring Boot & Spring Batch, used AWS SNS/SQS/SES for implement asynchronous workflow.
* Involved in Construction of UI using HTML, CSS, jQuery, Jasper Reports, Node JS, AngularJS, Bootstrap JS, and JavaScript.
* 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.
* Used GIT to maintain the version of the files and took the responsibility to do the code merges and creating new branch when new feature implementation starts.
* Involved in development of both producing & consuming of several Restful web services and also consumed SOAP based web services.
* Implemented logging service with Mongo database as backend for capturing all the log traffic.
* Designing a Mailing system that gathers the resources from various sources formats and uploads them to an s3 bucket using AWS Lambda and SES.
* Generated swagger documentation for rest services and exposed it external teams by using spring fox swagger library
* Supported in creation team’s AWS Infrastructure while coordinating with network engineering team on building subnets creation and Security group’s creation and firewalls rules implantation.
* Followed Acceptance Test Driven Development (TDD) with the help of Cucumber framework where we automated the test execution of each feature we developed.
* Guided testing team and helped them in develop cucumber-based automation test cases (ATDD) framework which we used to test our restful services.
* Involved in writing of test cases using Junit and Mockito framework and maintained a branch coverage above 85% which is a mandatory requirement.
* Configured Jenkins build jobs for various services to facilitate continuous integration.
* Used GitHub/Jira/Confluence tool for daily routines.
* Involved in configuration setting for Development, Test, and Production Environment
* Worked with Advanced Java 1.8 features like Lambda for adding functionality processing capability and Stream API to facilitate pipeline processing and method to eliminate elements based on the criteria.
* Written and executed various SQL Queries and PL\SQL programs to retrieve the data from the database Oracle.
* Responsible for design and development of Business Process in IBM WebSphere Process Server 6.0.
* Involved in design development and testing of web application and integration projects using Object Oriented technologies such as Core Java, J2EE, Struts, JSP, hibernate, Java Beans, XML, XSLT, XSL and ANT.
* Used Log4j, Junit and developed unit test cases to monitor the application functionality.

**Environment:** Java 8.0, J2EE, Spring Boot, Spring Framework 4.x/5.x, Restful Webservices, AWS Infrastructure, Angular Framework, SOAP, Spring Data JPA, Bootstrap 4.x, Oracle SQL, Docker, Mongo DB, Jira, Hibernate 4.x, jQuery, JSON, AJAX, NodeJS, Oracle 12c, HTML5, CSS3, Swagger, Git, Apache Maven, JUnit, Mockito, cucumber, karma, Jasmine, Git, JIRA, Confluence.

**Client: Rhymes Network and Software Solution, Dhaka, Bangladesh**

**Role: Java Developer Jan 2013 – Oct 2013**

**PROJECT DESCRIPTION:**

As a Java developer I have worked with different operating systems, databases, frameworks, and tools. I have experienced in different phases of the Software Development Life Cycle (SDLC) and has expertise in various aspects of application development, such as UI development, REST API development, Microservices architecture, batch processing, cloud infrastructure deployment. worked with different tools and technologies, such as Git, Jenkins, ReactJS, Hibernate, and Kubernetes, and have experience with different programming languages like Ruby and Perl.

**ROLE & RESPONSIBILITIES:**

* Involved in the complete Software Development Life Cycle (SDLC) phases of the project.
* Prepared use-case diagrams, sequence diagrams, and class diagrams using Rational Rose and UML to effectively communicate software design.
* Used source control systems like Git and Subversion SVN for efficient code management.
* Experience working with CI/CD tools like Jenkins and Git Stash, enabling rapid and reliable code deployment.
* Developed UI components using Angular JS dependency Injection, Models, data binding, and controllers for seamless user interaction.
* Analysed project requirements gathered by business analysts to understand the scope of the project
* Responsible for developing the Web driven code for the Selenium commands using Core Java
* Implemented navigation logic, form validation, filtering and client-server communication using Angular JS
* Involved in developing the user interface using JQuery and Java Server Faces
* Developed highly interactive web screens using JSF
* Experienced in writing JavaScript Functions for Client Server Communication
* Created an internal browser-based text editor using HTML, Ajax, CSS, JavaScript, JQuery
* Designed and implemented RestAPIs to establish connections with various vendor websites
* Tested the Restful Services using Webpage by using XML and JSON format
* Created & maintained the configuration of the SpringFramework's IoC container
* Extensively used Hibernate for data retrieval from the database using various querying techniques
* Interacted with the database team using JDBC
* Wrote Python scripts to connect to Database, parse JSON files& load data into the database.
* Extensively developed stored procedures and triggers using SQL
* Performed testing using JUnit and tested various test cases using Selenium and on service providers like SausLabs and BrowserStack
* Utilized AWS Lambda platform for data handling in AWS S3 buckets and triggering other Lambda functions.
* Strong experience with NoSQL databases like MongoDB, Cassandra, and Couch DB in application migration and schema design.
* Implemented ReactJS for front-end development and used NPM and Redux libraries.
* Worked with Apache Camel to integrate Spring MVC architecture for enhanced application flexibility.
* Utilized Hibernate for persistence data storage in Oracle databases and wrote HQL for efficient data access.
* Prepared UNIX scripts for job scheduling and data loading in Print Composition services, automating routine tasks.

**Environment**: JDK 1.5, Core Java, Eclipse, Microservices, Docker, PCF, Structs3.3, Typescript, Oracle 10g, Spring 2.5, Hibernate 3.0, red hat/Linux, Solr, Ajax, XML, ReactJS, Kafka, MongoDB,GraphQL, NodeJS, Angular 4,6&12, Windows XP, HTML, CSS, JSP 2.1, Multithreading, Cassandra, AWS, Selenium, Jenkins, perforce, WSDL 2.0, SOAP 1.2, API, Log4j 1.3, JNDI 1.2, J Unit, jQuery.

**Client: Global Technology Advancement, Dhaka, Bangladesh**

**Role: Java/J2EE Developer Jul 2011 – Dec 2012**

**Responsibilities:**

* Developed the presentation tier using **HTML, CSS, JSP, Servlets, JSTL, Ajax and Struts.**
* Used **Struts-Validator** framework for all front-end Validations for all the form entries.
* **Used Struts framework** for the **MVC** implementation and Hibernate as **ORM** tool for database communication.
* Worked extensively with **JSP’s** and **Servlets** to accommodate all presentation customizations on the front end.
* Used different Design patterns like **MVC pattern DAO pattern singleton** to achieve clean separation of layers.
* Designed and developed the code using **multithreading, Collections** and other J2EE technologies.
* Developed **DAOs** using **Hibernate persistence API** for the database operations to interact with **Oracle database**.
* Extensively used **Hibernate** environment for configurations, mappings, annotation extensions for easy mappings, relationships between tables and entity classes to access and update information in the database.
* Extensively used **Hibernate** concepts such as inheritance, lazy loading, dirty checking, locking, and transactions.
* Worked with ELK stack for searching the log, routing the log data and for visualizing the logged data.
* Written and executed various **SQL** Queries and **PL\SQL** programs to retrieve the data from the database **Oracle**.
* Responsible for design and development of Business Process in **IBM WebSphere Process Server 6.0**.
* Involved in design development and testing of web application and integration projects using Object Oriented technologies such as **Core Java, J2EE, Struts, JSP, hibernate, Java Beans, XML, XSLT, XSL** and **ANT.**
* Used **Log4j**, Junit and developed unit test cases to monitor the application functionality.

**Environment**: J2EE, Java SDK, XML, SAX, JSP, JMS, HTML, JavaScript, Struts, Hibernate, Servlets, Eclipse, Web Services, JUnit, Unix, Ajax, EJB, RMI, JNI, WebSphere Application Server, ANT, CVS, Oracle 10g.

**EDUCATION:**

**Khulna University of Engineering & Technology (KUET), Khulna |** 2011

B.Sc. (Hons.) in Computer Science & Engineering | CGPA 2.77/4.00

**Saint Joseph Uccha Madhyamic Biddyalaya, Dhaka** | 2006

H.S.C. in Science | CGPA 4.90/5.00

**BCIC College, Dhaka** |2004

S.S.C. in Science | CGPA 4.81/5.00