**Asheem Mainaly**[**amainaly16@gmail.com**](mailto:amainaly16@gmail.com)

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**PROFESSIONAL SUMMARY:**

Over **7 years** of experience involving all phases of Software Development Life Cycle (**SDLC**) including planning, analysis, design, implementation, testing and maintenance of Multi-Tier distributed, secure enterprise applications using **Java/J2EE technologies** in **Banking, Insurance and Communication.**

* Experience in application development using Software development methodologies such **as Agile, Waterfall development and TDD (Test Driven Development) environments**.
* Expertise in **Core Java** concepts of **Java/J2EE** like **JSP**, **Servlets**, **JSF, JSTL, EJB** transaction implementation (CMP, BMP, Message-Driven Beans), **JMS, Struts, Spring, Swing, Hibernate, Java Beans, JDBC, XML, Web Services, JNDI, Multi-Threading, Data Structures** etc.
* Experience in User Interactive (UI) Web Pages and visually appealing User Interface using**HTML5, CSS3, jQuery, Ajax, JavaScript and PHP.**
* Extensively worked on XML related technologies like **XML, XSLT, XPATH, XSL, DTD and DOM**.
* Responsible for creating a microservices system using **Java 8** with **Spring Boot, RESTful API, SOAP API** and experience with **Java 8** features like **Stream, Lambda expressions** and **Filters**.
* Experienced in Middleware persistence frameworks like **Hibernate/JPA** for mapping Java classes using **Hibernate Query Language (HQL)**, **HSQL Named Queries**, **Criteria**, **and Projections.**
* Experience in database modelling, design and development of **PL/SQL stored procedures**, packages in relational databases like **Oracle 9i/10g / 11g, SQL Server 2005/2008 and MySQL**.
* Experience with **MongoDB** development (reports, schema design, map reduce functions) and migrations from **SQL** relational databases to **NoSQL** databases like **MongoDB,Cassandra and Couch DB.**
* Experienced in implementing Service Oriented Architecture and Web Services such as **SOAP** using **WDSL**, **JAX-WS** and **REST** using **Spring Boot, Apache CFX, JAX-RS and Jersey Frameworks**.
* Hands on experience in configuration and deployment of multi-tier applications using servers like **Apache Tomcat, WebSphere, JBoss** and **WebLogic.**
* Knowledge on Spring Framework like **Spring Core, Spring DAO, Spring IoC, Spring MVC, Spring ORM, Spring AOP, Spring Boot** and **Spring Web flow**.
* Involved and developed various phases of security implementation using **Spring Security** system against all types of authentications like **LDAP authentication**, **Basic authentication** and **Pre-Authentication**.
* Having knowledge on (JMS) MQ’s like **Kafka, Rabbit MQ** and **Active MQ**.
* Hands on experience with version control tools like **SVN**, **GIT** and **CVS**.
* Experience in using **Jenkins** for CI/CD process and creating **Docker** images and containers.
* Experience in using Automation tools like **Selenium** and **Cucumber**.
* Hands on experience with build tools like **ANT**, **Maven** and logging tools like **Log4j and SLF4J**.

**TECHNICAL SKILLS:**

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| **Languages** | **Java 6/7/8, HTML, JavaScript, PHP, Apache Camel, Visual Basic** |
| **Web Technologies** | **HTML5, XHTML, DHTML, CSS3, JavaScript, PHP,AJAX, jQuery, Angular 4, AngularJS, Bootstrap** |
| **Java/J2EE Technologies** | **J2EE, Servlets, JDBC, Struts, EJB, Hibernate, Spring MVC, Spring Boot, Spring Security, SOAP, REST** |
| **Application/Web Servers** | **IBM WebSphere, Apache Tomcat, WebLogic, JBoss, GlassFish** |
| **Relational Databases** | **Oracle 9i/10g/11g, DB2, SQL Server, MySQL, Mongo DB, Cassandra** |
| **Cloud Environments** | **AWS, Openshift, Pivotal Cloud Foundry** |
| **IDE** | **Eclipse, NetBeans, IntelliJ IDEA, Spring Tool Suite (STS),Red Hat Development Studio** |
| **Operating system** | **Windows, Linux, Unix** |
| **Methodologies** | **Agile, Waterfall, Kanban, TDD (Test-Driven-Development), Scrum** |
| **Build Tools** | **Ant, Maven, Gradle, Log4J, Hudson, Jenkins** |
| **Version Control** | **CVS, SVN, GIT, JIRA, Subversion** |
| **Web Services** | **SOAP, RESTful, JAX-WS, JAX-RPC, JAX-RS, JAX-P, JAX-B** |

**TECHNICAL EXPERIENCE:**

**Client : Cable One Inc; Phoenix, AZ**

**Partner : Red Hat Inc, Raleigh, NC Duration : Sept. 2018 to Present**

**Role: Full Stack Developer  
Description: Cable One, internet and cable service provider, services in twenty-one states in US.** Cable One Pre-Paid High-Speed Data Project is middleware project to communicate with company’s customers. It is used to send different notifications, messages and offers to present and potential customers.

**Responsibilities:**

* Followed **Agile methodology** and involved in daily **SCRUM** meetings, sprint planning, showcases and retrospective and used **JIRA** as a tracking tool for the sprints.
* Extensively made use of**Java8**features like **Predicates**, **Functional Interfaces and Lambda Expressions**, **Method References** and **Stream API** for bulk data operations on **Collections**.
* Involved in developing UI pages using **Angular 4.0**, **HTML5**, **CSS3** and **Twitter Bootstrap**.
* Designed and developed **Microservice** using synchronous protocols like **HTTP**, **REST (JAX-RS) and SOAP (JAXB)**.
* Implemented **Spring Framework** including **Spring Core/IOC**, **Spring AOP**, **Spring ORM** and **Spring Batch** and implemented the authentication, authorization, and access-control features by making use of **Spring Security**.
* Used **Spring** **Boot** to develop and deploy both **RESTful web services** and **MVC applications**.
* Written **shell scripts** to copy output files to a different location from **Spring Batch.**
* Used **Spring** **Boot** to develop and deploy **RESTful web services, SOAP** and **MVC applications**.
* Implemented **Swagger** Configuration in Java **Spring Boot** for auto generating swagger **JSON** files for **REST API calls**.
* Experience developing and deploying applications using Java (Collections, Multithreading, Spring Framework), AWS - Docker - Jenkins and Python.
* Implemented exception handling in **Java Spring Boot** for **REST API**, by making use of Exception Handler and Controller Advice annotations.
* Used **Apache Camel** for processing different files, creating routes, using router for communication and integration with other microservices.
* Used **Openshift** platform to deploy applications on cloud.
* Scripted **Ansible** playbook to deploy applications in **Openshift** clusters.
* Effectively developed and deployed **Spring Boot** applications for **REST services** on **Openshift** platform and implemented platform as service technologies.
* Added security layer for web services using **Oauth, Sami integration, SHA-256 authentication and Basic Authentication**.
* Developed Realtime data processing applications by using Python and implemented Apache Spark Streaming from Kafka.
* Used **Apache Kafka** with **Zoo Keeper** for achieving synchronous and asynchronous messaging techniques.
* Used **ActiveMQ** for asynchronous messaging techniques.
* Developed the Application Module using several design patterns like **Singleton**, **Factory**, **DAO**, **DTO**, **Business Delegate**, **Façade**, **prototype** and **Composite View**.
* Integrated with **Oracle Field Service Cloud** for outbound messages through **SMS.**
* Used **Hibernate**, **object/relational-mapping (ORM)** technique for mapping data from **MVC model** to MySQL Relational data model with and SQL-based schema.
* Developed **session**, **entity beans** and **message driven beans**, mapping of Java objects to database tables using **Hibernate**. Extensively used **Hibernate Transaction Management and Hibernate Batch Transactions**.
* Created database objects like Stored Procedures, Tables, Views, Sequences, Cursors, Packages and Triggers.
* Used **PostgreSQL** as customer database then migrated to **MongoDB**, used both database in Spring Boot.
* Created **Docker** images and ran the Docker containers in various environments.
* Having good implementation experience with installation and configuration of **Kubernetes**, clustering them and managed local deployments in **Kubernetes**.
* Used **Elastic search**, **Fluentd** and **Kibana** as **Log Database** for microservice applications.
* Implemented **GUID(**Global Unique Identifier) for unique identification of logs.
* Worked with **Prometheus** as system monitoring tool and **Grafana** as graphical dashboard.
* Developed **Maven** scripts and developed builds using Maven and continuous integration servers like **Jenkins**.
* Used **Log4j** for logging errors and **GIT** for version control.
* Deployed the application on **JBOSS** application server.
* Manipulated data using CRUD (create, read, update and delete) operations of **Mongo DB** database management system and handled database access and data transmission based on RESTful web service.
* Implemented **Multithreading** concept to load data from files to table, transforming files from one format to other. Make multiple service calls in individual threads safety for a request.
* Developed unit and integration tests for existing microservice using **Junit and Mockito.**
* Integrated **SOAPUI** in **Jenkins** with Maven environments for unit and Integration testing.
* Developed **Cucumber** tests for Behaviour Driven integration testing.
* Fixed defects identified during **QA, UAT and Production.**

**Environment: Java 8, J2EE, Spring Boot, AJAX, jQuery, Angular4, Microservice, Openshift, JBOSS, Hibernate, Apache Camel, OAuth, Basic Authentication, Swagger, RESTful web services, SOAP web service, PostgreSQL, ELK, Docker, Maven, Jenkins, ActiveMQ, Kafka, Shell Scripts, Multithreading, Mongo, Git, GitLab, Googs, JUnit, Mockito, Cucumber,Log4j**.

**Client : USAA, San Antonio, TX,   
Duration : June 2017 - Aug 2018**

**Role : Full Stack Java Developer  
Description: USAA, a diversified financial services group of companies, is among the leading providers of financial planning, insurance, investments and banking products to members of the U.S. military and their families. CIM is a web-service based application which deals with creating user credentials with specific password rules, that are following the USAA policy’s and managing them in LDAP directory and Postgres database for Online USAA customers. It performs operations like modifying/resetting user password and username in LDAP directory.**

**Responsibilities:**

* Followed **Agile methodology** and involved in daily **SCRUM** meetings, sprint planning, showcases and retrospective and used **JIRA** as a tracking tool for the sprints.
* Extensively made use of **Java8** features like **Predicates**, **Functional Interfaces and Lambda Expressions**, **Method References** and **Stream API** for bulk data operations on **Collections**.
* Involved in developing UI pages using **Angular 4.0**, **HTML5**, **CSS3** and **Twitter Bootstrap**.
* Developing web pages using **Angular4**.**0** Framework and worked with various Angular JS directives and services and Filters to build the Applications.
* Designed and developed **Microservice** using synchronous protocols like **HTTP**, **REST (JAX-RS)**.
* Implemented **Spring Framework** including **Spring Core/IOC**, **Spring AOP**, **Spring ORM** and **Spring Batch** and implemented the authentication, authorization, and access-control features by making use of **Spring Security**.
* Used **Spring** **Boot** to develop and deploy both **RESTful web services** and **MVC applications**.
* Written **Shell scripts** to copy output files to a different location from **Spring Batch.**
* Implemented **Swagger** Configuration in Java **Spring Boot** for auto generating swagger **JSON** files for **REST API calls**.
* Worked on Microservice architecture with Spring Boot based services interacting through a combination of REST and Apache Kafka, Zookeeper to establish communication between the Microservices in the application environment.
* Developed business service layer and data access layer using **Spring** and **Mongo-db** (Spring Mongo- Template).
* Used various Core Java concepts such as **Multi Threading, Exception Handling, Collection APIs** to implement various features and enhancements.
* Implemented exception handling in **Java Spring Boot** for **REST API**, by making use of Exception Handler and Controller Advice annotations.
* Used **Pivotal Cloud Foundry** to deploy applications on cloud.
* Effectively developed and deployed **Spring Boot** applications for **REST services** on **Pivotal Cloud Foundry** and implemented platform as service technologies.
* Added security layer for web services using **OAuth** and Sami integration.
* Developed the Application Module using several design patterns like **Singleton**, **Factory**, **DAO**, **DTO**, **Business Delegate**, **Façade**, **prototype** and **Composite View**.
* Implemented **RESTful Web services** for transmission of data in **JSON format.**
* Used **Hibernate**, **object/relational-mapping (ORM)** technique for mapping data from **MVC model** to MySQL Relational data model with an SQL-based schema.
* Developed **session**, **entity beans** and **message driven beans**, mapping of Java objects to database tables using **Hibernate**. Extensively used **Hibernate Transaction Management and Hibernate Batch Transactions**.
* Created database objects like Stored Procedures, Tables, Views, Sequences, Cursors, Packages and Triggers.
* Preparing **PostgreSQL** queries for reporting and analysing production data for various applications.
* Created **Docker** images and ran the Docker containers in various environments.
* Developed **Maven** scripts and developed builds using Maven and continuous integration servers like **Jenkins**.
* Used **Log4j** for logging errors and **GIT** for version control.
* Deployed the application on **JBOSS, Nginx** application server.
* Developed unit and integration tests for existing microservice using **JUnit**, **Mockito** environments for development and QA teams.
* Fixed defects identified during **QA, UAT and Production.**

**Environment: Java 8, J2EE, Spring Boot, AJAX, jQuery, Angular4, Microservice, Pivotal Cloud Foundry, JBOSS, JBPM, Netflix Eureka, Hibernate, Spring Batch, OAuth, Swagger, Multi Threading, RESTful web services, MongoDB, PostgreSQL, Docker, Maven, Jenkins, Kafka, Shell Scripts, Git, GitHub, JUnit, Mockito,Log4j**.

**Client : Federal Home Loan Bank; Des Moines, IA  
Duration : Oct 2016 –May 2017   
Role : Sr. Java/ J2EE**

**Description: A primary benefit FHLB application in access to low cost secured borrowings, known as advances, which are funded by the FHL Banks in the capital markets from the issuance of discount notes or term debt, collectively known as consolidated obligations (COs).**

**Responsibilities:**

* Involved in requirement analysis, design, development, testing of application using **Agile** methodology.
* Used **AWS** (Amazon Web Services) as a cloud platform to deploy the application.
* Leveraged **AWS** cloud services such as **EC2**, auto-scaling and **VPC** to build secure, highly scalable and flexible systems that handled expected and unexpected load bursts.
* Used **Amazon IAM** to grant fine-grained access to AWS resources to users. Managed roles and permissions of users to AWS account through IAM.
* Experience in Integration of **Amazon Web Services**, **AWS** with other applications infrastructure.
* Utilized **S3** buckets and **Glacier** for file storage and backup on AWS cloud.
* Developed various helper classes necessary using **Multi-Threading**.
* Developed Interactive web pages using **AngularJS**, **HTML5**, **CSS3** and **JavaScript**.
* Developed Single Page Application (SPA) using AngularJS Framework and injected generic services using **Angular2**.
* Used **NodeJS** (Express) to create API which can provide or consume JSON.
* Integrated the **IoC** container of **Spring** Framework to handle the creation of beans, dependency injection and transaction management.
* Used **Hibernate ORM** to integrate with business application with Oracle Database where **Hibernate template** is used to implement business logic. Created XML configuration file for **Hibernate Database connectivity**.
* Consumed Web Services by implementing Spring's **REST** support for development of **RESTful Web services**.
* Created **Shell script** to deploy resource bundles on different environments.
* Worked with **Git** Version control system to track various aspects of the project.
* Used **Maven** as build tool on Java projects for the development of build artefacts on the source code.
* Used **Log4j** logging framework to write Log messages with various levels for logging across the application.
* Execute finished output and supporting documentation for banking requirements
* Created and managed a **Docker** deployment pipeline for custom application images in the cloud using **Jenkins**.
* Developed test cases using **JUnit** and **jMock** for unit testing as well as integration testing as part of **Test-Driven Development (TDD).**
* Interacted with Business Analysts to come up with better implementation designs for the application. Provided production support for the application.
* Involved in testing, debugging, bugs fixing and documentation of the system.

**Environment: Java 7, J2EE, Spring MVC 3.0, Hibernate 3.0, JSP, AngularJS, Node.js, HTML5, CSS3, JavaScript, AWS(VPC, EC2, IAM, Route53, Lambda, ELB, S3), RESTful web services, Rabbit MQ, ESB, Shell Scripts, Git, Maven, Log4j, Cassandra, Oracle 11g, Docker, JUnit, jMock.**

**Client : Metamor Software Solutions ,India  
Duration : May 2015 – July 2016**

**Role : Java Developer**

**Description:** The goal of this project was to develop an online system to facilitate the tracking of various projects and related resources. The system implemented various user levels for the security purposes.

**Responsibilities:**

* Worked on **Agile** methodology including team-based design and code reviews.
* Actively involved in Requirement Analysis, designing, development and testing of the entire application.
* Developed the web interface using **HTML5, CSS3, JavaScript, jQuery, AngularJS, and Bootstrap.**
* Enhance and modify the presentation layer and GUI framework that are written using JSP and client-side validations done using JavaScript.
* Worked on the Common UI layout for defining the Header, Footer and Menu using **JSF Facelets**.
* Implemented navigation using **Spring MVC** controllers, configured controllers using Spring MVC annotations and configuration files.
* Implemented spring framework **BeanFactory**&**ApplicationContext** for bean initialization and configurations.
* **SpringAOP** is used for logging, auditing, and security and transaction management to distinguish business logic from the crosscutting concerns.
* Implemented the back-end functionality of the modules using **Singleton** and **Session Facade** design patterns.
* Configured **Hibernate configuration** files to persist the data to the **Oracle 10g Database**.
* Configured **Hibernate** objects as Spring Beans in Spring Configuration File.
* Involved in development of POJO classes and writing **Hibernate Query Language (HQL)** queries.
* Asynchronous messaging is done using **JMS** and created **Queue** for point to point messaging.
* **Developed REST web services using Spring MVC to extract client related data from database and used SOAP UI for testing these RESTFUL API web services.**
* Implemented **Service Oriented Architecture (SOA)** by developing and consuming **RESTful** web services based on **JAX-RS** and **Jersey**.
* Designed and implemented Java Classes to use JAXP parser to create Java objects to be able to modify the data received in the response.
* Implemented Core Java Concepts such as **Multi-Threading**, **Exception Handling** and **Collections** when needed.
* Handled **Multi-Threading** part in the back-end component, one thread will be running for each other.
* Worked with **DB2** and wrote SQL Queries, Stored Procedures, triggers, views and integrated SQL Queries into DAO.
* Deployed the application on **Tomcat** Application Server.
* Used **Log4j** logging mechanism for logging.
* Used **SVN** for versioning and concurrent access to the project files.
* Resolving spring framework artefacts and code build & deployment with **Maven**.
* Used **JIRA** for defect and issue tracking.
* Used **Jenkins** for continuous integration/continuous deployment.
* Automated regression test cases using **Selenium**.
* Coordinated with testing team for timely release of product.

**Environment: Java, J2EE, Spring MVC 3.0, Hibernate 3.0, HTML, CSS, JavaScript, React JS, JMS, SOAP, Axis2, Maven, Jenkins, DB2, Selenium, Log4j, SVN, JIRA, Tomcat 6.0.**

**Client : Merit Systems Private Ltd;India  
Duration : July 2013 – April 2015**

**Role : Java Developer**

**Description:** Merit System’s vision is to develop software products that would enhance business performance. With focus on the development of cutting-edge software products. It has wide range of products include business process monitoring, event monitoring and corporate messaging products. We have launched a series of products in the areas of Messaging, Business Event Monitoring (BEM) and Business Process Management (BPM).

**Responsibilities:**

* Participated in all phases of the project like design, development, testing, enhancements and production support.
* Used Rational Rose for the **Use Case Diagrams, Object Diagrams, Class Diagrams and Sequence Diagrams** to represent the detailed design phase.
* Developed front end **using JSP, HTML, CSS** and client-side validations using **JavaScript**.
* Implemented **MVC** architecture and developed form classes, action classes for the entire application using **Struts Framework**.
* Implemented **Singleton**, **Service Locator** design patterns in MVC framework and developed command, delegate, model action script classes to interact with the backend.
* Involved in writing the exception and validation classes using Struts validation rules**.**
* Developed **Enterprise Java Beans like Entity Beans, Session Beans (both Stateless and State Full Session beans)**.
* Designed and developed reusable Java utility classes for the business logic functionality using services like **JDBC** and **JNDI**.
* Deployed the application on **WebLogic** application server.
* Monitored the error logs using **Log4j** and fixing the problems.
* Designed database Tables, View, Index's and create triggers for optimized data access.
* Written **JUnit** test cases for unit testing of the application.
* Written **Ant** scripts for building application artifacts.
* Involved in Unit integration, bug fixing, acceptance testing with test cases, Code reviews.
* Provided troubleshooting and error handling support in multiple projects.

**Environment: Java 6, J2EE, JSP, HTML, CSS, JavaScript, Struts 2.0, EJB 2.1, JDBC, JNDI, JUnit, Log4j, WebLogic 7.0, Rational Rose.**

**Client : Posidex Technologies Pvt Ltd; India**

**Duration: Mar 2012 – June 2013**

**Role: Java Developer**

**Description:** Web Based Shopping System is to provide shopping facility to both buyers and vendors. The central concept of the project is to allow the customers to shop virtually using Internet and to buy the items and articles of their desire from the store. The information pertaining to the products are stored on the RDBMS at the server side.

**Responsibilities:**

* Involved in requirement analysis, design and development of the application.
* Created the design using class diagrams and sequence diagrams.
* Implemented **MVC** architecture using **JSP, Servlets and EJB.**
* Developed web Components using **JSP, HTML, CSS and JavaScript.**
* Extensively used XML documents with XSLT and CSS to translate the content into HTML to present to GUI.
* Developed **EJB** middleware components to implement business objects and business logic of the system.
* Used **JDBC** to establish connectivity to the database for performing the database operations.
* Created and modified Stored Procedures, complex SQL Commands for the application using PL/SQL.
* Deployed the application on **WebSphere** application server.
* Involved in enhancements of the system and worked on fixing bugs and supporting the entire system.

**Environment: Java 5, J2EE, JSP, HTML, CSS, JavaScript, XSLT, Servlets, EJB, JDBC, WebSphere 7.0, Oracle 10g, PL/SQL.**