

Alekhya  
(515)-518-0849

alekhya.workmail@gmail.com

## PROFESSIONAL EXPERIENCE

- Having **8 years** of experience in all the technical phases of **Software Development Life Cycle (SDLC)** including Requirement Analysis, Design, Implementation and Testing in both Web based and Enterprise applications with emphasis on **Object Oriented, Java/J2EE** and **Client Server technologies**.
- Experience in developing the application with **Agile Methodology, Waterfall Methodology** and **Test-Driven Development**.
- Experience in Front-End UI technologies like **HTML5, CSS3, JQuery, JSON, Ajax, AngularJS, NodeJS, Bootstrap, Tag Libraries, JSTL**.
- Proficient in developing **J2EE** enterprise applications in **Service Oriented Architecture** and **Micro Service Architecture**.
- Hands on Experience in developing web applications by using Spring framework modules like **Spring IOC, Spring AOP, Spring MVC, Spring Security, Spring Boot, Spring Batch** and **Spring Data**.
- Expertise in developing data models using **Hibernate** Object relational mapping (**ORM**) frame work and used **Hibernate Annotations** to reduce time at the configuration level.
- Developed the application using **Java 8** and implemented its features like **lambdas Expressions, Time API, Streams, functional interfaces, collectors, default methods, type interfaces, foreach**.
- Proficient in using Amazon Web Services **AWS**. Extensive experience focusing on services like **EC2, Cloud Watch, Cloud Front, Cloud Formation, IAM, S3, Amazon RDS, Elastic Cache**.
- Good experience in using **Amazon Web Services (AWS)** and **AWS SNS/SQS** for delivering messages.
- Deploy application updates to **AWS** and monitored the load balancing of different instances.
- Expert in **Core Java** with strong understanding of **Garbage Collector, Collections, Multithreading, Event handling, Exception handling** and **Generics**.
- Expertise in **J2EE** Technology- **Servlets, Struts, Spring, JDBC, JTA, JPA, Hibernate** and **JMS**.
- Experience with distinctive **design patterns** like **Singleton, Factory, Prototype, Business Delegate, Session Facade, Service locator, Visitor, Observer, Decorator, Front Controller, DAO** and **MVC**.
- Worked with design and development of robust and highly scalable Web Service platforms and **API's** based on **REST** and **SOAP** for enterprise applications using **AXIS, WSDL, UDDI, XML, JAX-WS, JAX-RS, JAXB, JAX-RPC** technologies and **Jersey** frameworks.
- Expertise in XML technologies such as **XSL, XSLT, XML schemas, XPath, XForms, XSL-FO** and **parsers like SAX, DOM**
- Expertise in back-end/server side java technologies such as: **Web services, Java persistence API (JPA), Java Messaging Service (JMS), Java Database Connectivity (JDBC)** and **Java Naming and Directory Interface (JNDI)**.
- Experienced in building **Web Services** for Service Oriented Architecture (**SOA**).
- Strong experience in designing and developing data models and accessing from Java applications using **SQL, PL/SQL, ORM tool Hibernate** and has experience with **NoSQL** databases like **MongoDB**.
- Experience in **JMS** over messaging to exchange the information in more reliable and asynchronously for enterprise applications.
- Proficient with build automation tools like **Gradle, Maven** and **Ant** for builds and deployments to different environments.
- Experience on different **IDEs** such as **Eclipse, RAD, Spring Tool Suite, IntelliJ** and deployment using Application Servers like **Apache Tomcat, BEA WebLogic, Web Sphere, Glassfish, Camel** and **JBOSS**
- Experience with **JUnit, Mockito, Log4j** in developing test cases and determining application functionality.
- Experience on **UNIX/LINUX** Shell Scripting and Deployment of Applications in Server.
- Decent Experience in using code repository tools **GIT, Tortoise SVN, and Visual Source Safe**.
- Strong communication and analytical skills and a demonstrated ability to handle multiple tasks as well as work independently or in a team.

**TECHNICAL SKILLS:**

<b>Programming Languages</b>	JAVA 8.0/7.0/6.0/5.0, Python, UML, XML, SQL, PL/SQL
<b>Tools and Framework</b>	Struts, Spring, Hibernate, Spring MVC, Spring Web Flow, Spring IOC, Spring AOP, Spring Security, Struts, JSF, JUnit, SOAP UI, JReport.
<b>J2SE/J2EE Technologies</b>	Java, J2EE, RMI, Sockets, JDBC, Servlets, JSP, JMS, Java Beans, JSTL, JSF, Jakarta Struts, EJB, Spring, Hibernate, JTA, JNDI, JPA JMS, Web Services (JAX-RPC, JAX-WS, SOAP, REST, WSDL, UDDI and RESTFUL), Groovy/Grails.
<b>Web Technologies</b>	HTML5, CSS3, JavaScript, JQuery, Bootstrap, AngularJS, JSF, AJAX, NodeJS, JSON Restful.
<b>XML Technologies</b>	XML, XSL, DOM, SAX, DTD, XQuery, XSD and XSLT.
<b>Cloud Technologies</b>	AWS EC2, S3, Dynamo DB, ELB
<b>Databases</b>	Oracle, SQL-Server, MySQL server, MS SQL, IBM DB2, MongoDB, NoSQL.
<b>Web/Application Servers</b>	Apache Tomcat, IBM WebSphere, Glassfish, Web logic Application server, JBOSS.
<b>Build Tools</b>	ANT, Maven, Gradle, Docker and Jenkins
<b>IDE / Tools</b>	Eclipse, IntelliJ, Spring Tool Suite(STS), RAD
<b>Testing Tools/ Others</b>	JUnit, Mockito, Soap UI, Log4j and JIRA
<b>Version Control</b>	Tortoise SVN, CVS and GIT
<b>Platforms</b>	Windows, Mac, Linux and Unix.
<b>Methodologies</b>	Agile, Waterfall, Test Driven Development

**PROFESSIONAL EXPERIENCE:**

<b>Client:</b> TCF Bank	<b>May 2017 – Till date</b>
<b>Location:</b> Minneapolis, MN	
<b>Role:</b> Sr. Java/J2EE Developer	

**Description:** TCF is a national financial holding company that offer services like investment banking and loans. Personal Loan Processing Application offers various features like creating new accounts, managing existing accounts, processing credit card and personal loan applications. Personal Loan processing has various modules for Customer Information, Loan Application verification, Loan Authorization, Loan Approval and Change history.

**Responsibilities:**

- Worked on High level and low level system design, planning, estimation and implementation
- Developed presentation layer using **JSP, HTML5, CSS3** and client validation using **JavaScript**.
- Developed Single page application and structured the **JavaScript** code using **AngularJS**.
- Design and develop template based User Interface using **Bootstrap** and **Angular JS**.
- Handled all the client side validations, slide show, hide and show controls, dropdown menus and tab navigation using **JQuery**.
- Developed the application using **Java 1.8** and implemented its features like **Lambdas Expressions, Time API, Streams, functional interfaces, collectors, default methods, type interfaces, foreach**.
- Excellent in deploying the applications in **AWS** as **EC2** instances and create snapshots for the data that must be stored in **AWS S3**.

- Utilized **Amazon Web Services (AWS) EC2** to deploy **Docker** containers.
- Designed and implemented intranet applications using **RubyonRails** and **PostgreSQL** on **Heroku** Cloud managed code versioning with **GitHub** and deployment to staging and production servers.
- Create and configured the continuous delivery pipelines for deploying **Micro Services** and **Lambda functions** using **Jenkins CI** server.
- Worked on development and implementation of the **MVC** Architectural pattern using **Spring Framework**.
- Extensively used various **Spring Framework** modules like **MVC, Dependency Injection (IOC), Auto Wiring, SpringSecurity** and **AOP**. Created and injected **spring services, spring controllers** and **DAOs** to achieve dependency injection and to wire objects of business classes.
- Used **Spring MVC** framework at the Web tier level to isolate each layer of the application so that complexity of integration will be reduced and maintenance will be very easy.
- Used **Spring AOP** for solving crosscutting concerns like keeping customer log data and transactions details etc.
- Implemented Batch jobs to deal with large number of chunks using **Spring Batch Framework** to execute the similar jobs simultaneously.
- Designed and integrated the full-scale **Hibernate** persistence solution with the application architecture.
- Involved in design and development of the **Hibernate Domain Model** for the service.
- Involved in using **JPA** (Java Persistence API) frameworks and APIs as **JDO** and **Hibernate**.
- Enterprises Integrated Pattern Implemented with **Apache Camel(ESB)**.
- Worked on server-side **validations, handle actions, events** and also **Encapsulation** by implementing **React JS**.
- Developed a **RESTful** based service for data retrieval to make it independent of the current application.
- Used **JavaScript, JQuery, AngularJS, Node JS** and **AJAX** technologies for front end user input validations and Restful web service calls.
- Involved on development of **RESTful** web services using **JAX-RS** in a **Spring** based project.
- Worked on **XML** and **JSON** for transferring and retrieving data between different applications.
- Wrote services to store and retrieve user data from **MongoDB** for the application on devices.
- Designed and developed applications for end users using Grails 3.3.
- **Websphere** is used as an Application Server to Deploy the Application.
- Worked system logging using **Elastic search, Kibana Logstash** to create dashboards in **Splunk** and **Kibana**.
- Experience in using **JUnit** and build tools such as **MAVEN**.
- Implemented deployment procedures of J2EE applications and code to JBoss Application server.
- Collaborated with testers and developers and prepared test plans for producing high quality software applications
- Worked on **Log4j** for logging errors, messages and performance logs
- We have used javascript for creating the automated test scrips in **selenium web browser**.

**Environment:** Java 1.8, J2EE, HTML5, CSS3, JQuery, Bootstrap, JavaScript, AngularJS, react JS, NodeJS, Hibernate, Spring MVC, Spring IOC, Spring boot, spring security, XML, GIT, JSP, JUnit, Maven, IBM WebSphere, Apache, JAX-RS, Restful, Amazon Web Services (AWS), Micro Services, Log4J, Oracle, Kibana, Splunk, Selenium, Mongo DB, WSD and Spring Tool Suite.

**Client:** T-Mobile

**Aug 2016 – May 2017**

**Location:** Atlanta, GA

**Role:** Java/J2EE Developer

**Description:** T-Mobile US is a United States based wireless network operator to which the German telecommunications company Deutsche Telekom (DT) is its majority shareholder. Its headquarters are in Bellevue, Washington, in the Seattle metropolitan area. T-Mobile is the third largest wireless carrier in the United States. T-Mobile US provides wireless voice

and data services resulting in the company going public on the NASDAQ and serves as the host network for many mobile virtual network operators.

#### **Responsibilities:**

- Involved in all phases of Software Development Life Cycle process using Agile Methodology.
- Developed presentation layer using **HTML5, CSS3, Bootstrap, JQuery** and **Angular JS**.
- Design and developed template based User Interface using Bootstrap and **Angular JS**.
- Handled all the client side validations, slide show, hide and show controls, dropdown menus and tab navigation using **JQuery**.
- Worked extensively to achieve **DOM Show, Hide elements** and **Event Handling** using **Angular JS**.
- Extensively used **Spring Framework** modules like **DI(IOC), Auto Wiring, JDBC Templates, Spring Security, AOP**.
- Developing **spring boot** application using **microservices** architecture with **Spring Eureka** to maintain small and lightweight services and communication between these services are done by using API routes for the entire cluster.
- Used **Spring Batch** as spring batch jobs can meet the requirements of reliability, robustness, and traceability, which are essential for automatic processing of large amount of data.
- Parsed the data to project to client and handled the security and Authorization using **Spring Security**.
- **Spring Transaction** is used for the degree of isolation to work with other transactions and to execute within a transaction scope to run that transaction and used to check out before timing out of the transaction.
- Extensively used **Hibernate** concepts such as **inheritance, lazy loading, dirty checking, locking, and transactions**.
- **Hibernate DAO classes were developed to retrieve and save data using Spring framework manager classes**.
- Performance monitoring of **Mongo** databases with **OPS manager/MMS** and familiar in installing and maintaining **MongoDB** in private Cloud Environments.
- Developed a code for Web services using **JAX-WS, SOAP** and used **SOAP UI** tool for testing the services.
- Consumed Web Services (**WSDL, SOAP**) from third party for authorizing payments to/from customers.
- Modified existing applications to a suite of **Micro Services** and all **Micro Services** to facilitate deployment using **Spring Boot** and **Junit** and **PowerMock** frameworks for unit testing.
- Involved in developing **Micro Services** integrated with **VSTS** for **CI/CD** by automating the build/release process.
- Worked on **XML** and **JSON** for transferring and retrieving data between different applications.
- Involved in using **JPA** (Java Persistence API) frameworks and APIs as **JDO** and **Hibernate**.
- Developed the **DAO layer** for the application using **Spring Integration** and **Hibernate** template support.
- Used **Active MQ** to communicate with controller and used service layer to implement the business logic.
- Used **JMS API** for communication between the components.
- Experience in writing complex **PL/SQL** queries using joins, Stored Procedures, Functions, Triggers, cursors, and indexes in Data Access Layer.
- Implemented HTTP REST API using **NodeJS** and **Express JS** and extensively tested RESTful services using **POSTMAN**.
- Implemented modules into **NodeJS** to integrate with designs and requirements and used **NodeJS** Express Framework.
- Created a build environment for Java / Grails using Jenkins, Git, Gradle, Maven, Artifactory, and a number of reporting tools.
- Developed test cases for **Unit Testing, Integration Testing** with **JUnit**.
- Collaborated with testers and developers and prepared test plans for producing high quality software applications
- Worked on **Log4j** for logging errors, messages and performance logs.
- Used **Maven** as build automation tool and **deployments are on Web Sphere Application Server**.
- **Jenkins** for **Continuous Integration** and **Spring Tool Suite (STS)** IDE for application development.

**Environment:** Java, J2EE, HTML5, CSS3, Bootstrap, JQuery, AngularJS, Spring IOC, Spring AOP, Spring MVC, Spring Security, Hibernate, JMicro Service, DBC, SOAP, JAX-RS, JAX-WS, WSDL, Service Oriented Architecture, SQL, PL/SQL, Unit Testing, JUnit, Log4j, Maven, Web Sphere Application Server, Jenkins and Spring Tool Suite (STS).

**Client:** Aetna

**July 2014 - June 2016**

**Location:** Hartford, CT

**Role:** Sr. Java/J2EE Developer

**Description:** Aetna Inc. is an American managed health care company, which sells traditional and consumer directed health care insurance plans and related services, such as medical, pharmaceutical, dental, behavioral health, long-term care, and disability plans.

**Responsibilities:**

- Involved in all phases of the Software development life cycle (SDLC) using Agile Methodology.
- Developed User Interface using **JSP, JSTL, HTML, CSS, Java Script, JQuery and Angular JS**.
- Developed client side application with **AngularJS** in a clean **Model View Controller (MVC) Architecture**.
- Involved in component development using **J2EE** principles and used design patterns such as **Singleton, Factory** and **Data Access Object (DAO)** in the implementation of the application.
- Used **Spring MVC** and **Dependency Injection** for handling presentation and business logic.
- To maintain loose coupling between layers published the business layer as services and injected necessary dependent components using **Spring IOC** and published cross cutting concerns like Logging, User Interface exceptions, Transactions using **Spring AOP**.
- Integrated **Spring DAO** for data access using Hibernate.
- Implemented persistence framework using **Hibernate & Handled Transaction Management** using the provided data source.
- Used **Spring Security** for **Authentication** and **Authorization** of the application.
- Extensively used **JSON** to parse the data from server side to satisfy the business requirement.
- Responsible for designing **Hibernate mapping files** based on business logic and Object relationships.
- Integrated **Spring and Hibernate** together and worked on developing backend components and services using Hibernate and spring.
- Established Database Connectivity using **JDBC, Hibernate O/R mapping with Spring ORM** for **Oracle**.
- Worked on **Hibernate** for mapping the java objects to relational database and **SQL** queries to fetch the data, insert and update the data from the database.
- Used **Hibernate** in **Data Access Layer** to access and update information in the database.
- Extensively used **HQL** and **SQL** for querying databases.
- Consumed **Web Services** to interact with other external interfaces in order to exchange the data in different forms by using **Restful** service.
- Implemented **SOA** architecture with **Web Services** using **SOAP, WSDL, UDDI** and **XML** using **Apache CXF framework** and worked on parsing the **XML** files using **DOM/SAX** parsers.
- Created **tables, triggers, PL/SQL Stored Procedures, SQL queries, Joins, integrity constraints** and **views** for **IBM DB2**.
- Used **Multithreading** in programming to improve overall performance using **Singleton** design pattern in Hibernate Utility class.
- Implemented **Restful** and **SOAP** based Web Services and used **Soap UI** for testing.
- Used **Spring JMS** module for lookup for the queues and MDBs for the listeners.
- Involved in **Unit Testing** of various modules by generating the **Test Cases**.
- Performed deployment of applications on **Web Logic Server**.

- Managed and maintained Oracle and **NoSQL** databases in production domain.
- Written **LINUX** shell scripts to identify user login information.
- Involved in day to day handling of **JIRA** issues (production issues at time) that involved data inconsistencies that required to be solved in very less time.
- Worked with **Eclipse IDE** and used **Gradle** build tool to achieve more functionality for build process.
- Used **Jenkins** as build management tool for continuous integration process and used **Git** as Version Control tool.
- Involved in Bug fixing of various modules that were raised by the testing teams in the application during the **Integration testing phase**.
- Participated in **Code Reviews** of other **modules, documents, test cases**.

**Environment:** Java, J2EE, HTML, CSS, JavaScript, JQuery, JSP, JSTL, Spring, Hibernate, XML, XSD, Web Services, Restful, SOAP, WSDL, Log4j, JUnit, DB2, NoSQL, Web Logic, Jenkins, Gradle, GIT, Eclipse, JIRA, Agile Methodology, Windows, Linux, Rational Rose.

**Client:** BCBS

**Jun 2012 – Dec 2013**

**Location:** Plano, TX

**Role:** Java/J2EE Developer

**Description:** Well Mark Blue Cross and Blue Shield is a leading insurance company owned by its policyholder. BCBS is the health insurance and health care provider company. “Find a plan” is a web based J2EE application, created to help individuals and families easily shop for, and buy health insurance. Well mark offers a variety of insurance plans, as well as tools to help you choose the plan that’s right for you.

#### **Responsibilities:**

- Involved in various phases of Software Development Life Cycle (**SDLC**) such as requirements gathering, modelling, analysis, design, development, testing, and monitoring.
- Involved in the front end using **JSP, HTML, CSS, JavaScript** and **JQuery**.
- Developed GUI using **SWT/RCP** technology.
- Experience in working with different plug-ins of **Eclipse RCP**.
- Developed different **GUI** screens using widgets like Tree and Table form in Eclipse SWT/RCP.
- Developed perspective to show different views together in **RCP**.
- Developed Menus and views using Extension point in RCP.
- Implemented **MVC** architecture using **JSP, Spring, Hibernate** and used **Spring Framework** to initialize managed beans and services.
- Involved in development of Agent Verification System using **Spring MVC** framework.
- Used **Spring Inheritance** to develop beans from already developed parent beans.
- Used **Spring AOP** for **logging, auditing, and transaction management** to distinguish **business logic** from the cross-cutting concerns.
- Used **Spring Security** for **Authentication and Authorization** of the application.
- Created **data model** and generated **Hibernate mappings** and **domain objects** using Hibernate tools.
- Interfaced with the **My SQL** back-end database by integrating **Spring** with **Hibernate**.
- Extensively used **hibernate** named queries, criteria queries, Hibernate Query Language (**HQL**) and Optimistic Locking and Caching to process the data from the database.
- Developed Unit /Integration test cases using **JUnit**.
- Used **Gradle** tool for building and deploying the Web applications in **Web Logic Server**.
- Used **JIRA** tool for tracking stories progress and follow agile methodology.

- Used logging techniques provided by **Log4J** tool for efficient logging and debugging.
- Developed the application using **Eclipse** as the **IDE** and used its features for editing, debugging, compiling, formatting, build automation and **version control (SVN)**.
- Involved in Maintenance and Enhancements for the project.

**Environment:** Java, J2EE, HTML, CSS, JavaScript, JQuery, Struts, Spring IOC, Spring MVC, Spring AOP, JDBC, Hibernate, My SQL, HQL, SQL, JUnit, Gradle, JIRA, Log4J, Eclipse, SVN, Sybase, RCP and Web Logic Server.

**Client:** Broad Ridge Financial Solutions

**Jan 2011 – May 2012**

**Location:** Hyderabad, India

**Java Developer**

**Description:** This module is for closing account for Lloyds Banking Group. There are two categories of user, one is banker and other is normal user. The user can close the account in two ways one ways automatically using internet. This project is mainly used to reduce the manual process of the account closure for almost 4million accounts

**Responsibilities:**

- Involved in Requirement Analysis, Design, Development and Testing of the risk workflow system.
- Involved in the implementation of design using vital phases of the Software development life cycle (**SDLC**) that includes **Development, Testing, Implementation** and **Maintenance** Support in **WATER FALL** methodology.
- Created user-friendly GUI interface and Web pages using **Struts, JSP, HTML, CSS, AJAX, JQuery and JavaScript**.
- Responsible for designing, coding and developed the application in **J2EE** using **Struts MVC**.
- Implemented **Struts framework** (Action & Controller classes) for dispatching request to appropriate classes.
- Used simple **Struts Validation** for validation of user input as per the business logic and initial data loading.
- Achieved synchronization of multiple threads through **Multithreading** and **Exception Handling**.
- Extensively used **JSON** to parse the data from server side to satisfy the business requirement.
- Developed **Struts Action Forms, Action classes** and performed action mapping using **Struts**.
- Developed batch job using **EJB** scheduling and leveraged container managed transactions for highly transactions.
- Involved in developing **Web Services** to send **XML** request and reading the response **SOAP UI** from Java platform.
- Used various **Core Java** concepts such as **Multi-Threading, Exception Handling, Collection APIs, Garbage collections** for dynamic memory allocation to implement various features and enhancements.
- Consumed Web Services to interact with other external interfaces in order to exchange the data in different forms by using **Restful service**.
- Established Database Connectivity using **JDBC** for **Oracle**.
- Used **Eclipse** as **IDE** and worked on installing and configuring **JBOSS**.
- Developed common library using **iBATIS** to execute various database commands against Oracle database.
- Used **Log4J** for application logging and notification tracing mechanisms.
- Developed the **ANT scripts** for preparing **WAR files** used to deploy **J2EE** components.
- Analysis and Bug fixing of the production problems and defects along with enhancements.
- Implemented **JUNIT** test cases for unit testing and Suites for end to end testing.
- Used **JIRA** for tracking the Project Stories and bug fixing.
- Used **SVN** to check-in and check-out and co-ordinate among team members for Version Controlling.
- Worked on **UNIX** environment for development.

**Environment:** Java, HTML, CSS, AJAX, JQuery, JavaScript, JSON, XML, Struts, JDBC, IBATIS, Web Services, SOAP UI, Restful, HQL, SQL, JBOSS, JSON, Oracle, ANT, Eclipse IDE, JUNIT, JIRA, Tortoise SVN, and UNIX.

**Client: Prime Soft Solutions Inc**  
**Location: Hyderabad, India**  
**Jr.Java Developer**

**May 2009 – Jan 2011**

**Description:** Prime Soft Solutions Inc offer Product Development, Enterprise Applications, Mobile Applications and Quality Assurance services to clients from venture funded start-ups to publicly traded companies in E-Commerce, Healthcare, Networking, Telecom and Banking.

**Responsibilities:**

- Developed the application based on **MVC** architecture.
- Developed web application using **JSP, Servlets, Java beans** that uses **MVC** design pattern.
- Created user-friendly GUI interface and Web pages using **HTML, CSS** and **JSP**.
- Wrote **JavaScript** for client side validation.
- Used Java Swings in designing user interfaces.
- Used Java Fundamentals and **OOPS** concepts like inheritance, polymorphism, abstraction to develop the code.
- Implemented **core java** concepts like **Multithreading, Exception Handling** and **Collection** wherever necessary.
- Used **Eclipse** as IDE tool for creating **Servlets, JSP, and XML**.
- Wrote **SQL** for **JDBC** prepared statements to retrieve the data from database.
- Monitored the logs using **Log4J** and fixed the problem.
- The Application was deployed on **Apache Tomcat Server**.
- Involved in build and deploying the application using **ANT**.
- Used Configuration Management Tools for version control which is built on **CVS**.
- Worked on bug fixing and Production Support.

**Environment:** Java, HTML, CSS, JavaScript, JSP, Servlets, JDBC, MVC Design pattern, PL/SQL, Log4J, Apache Tomcat server, My SQL, Eclipse IDE, CVS, ANT, Log4J.