**Anu Appana**

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**Visa: US Citizen**

**PROFESSIONAL SUMMARY:**

* 8+ years of Experience in all stages of Software Development Life Cycle (SDLC) including gathering requirements, analysis, design, development, testing and implementation of projects using software methodologies like **Agile/Scrum** and **Waterfall**.
* Extensive experience in developing applications using **Java, J2EE, Java Beans, JSP, JSF, Servlets, REST Web Services,** Apache **Struts** framework, **Spring MVC** framework, **EJB**, **JDBC**, **JNDI**, **JMS**, **Spring**, **Micro services**, **Hibernate**, **JavaScript**, **Ajax**, **JUnit, Test Driven Development** and Oracle.
* Experience in developing the User Interface (UI) Applications and professional web applications using **HTML 4.0/5, CSS2/CSS3**, **JavaScript**, **Angular JS, 2/4/5/6**, **React JS, Node JS, jQuery**, **AJAX, JSON, XHTML, XML** and **Bootstrap**
* Experience in developing applications using **J2EE Design Patterns** like **creational**, **structural** and **behavioral** design patterns (**MVC Architecture, Singleton, Factory, Facade, Service Locator etc.)**
* Excellent experience in the design, development and implementation of **Model-View-Controller** **(MVC)** using **Struts Framework**, Design Patterns and DAO’s using **Spring JDBC** and **Hibernate**
* In depth knowledge on core java concepts such as OOPS, Collections, Threading, generics, Exception handling, Multi-Threading, Execution services, concurrent utilities, File IO, Garbage Collection and Serialization.
* Experience on **Java 8** features such as **Lambda expressions**, Functional Interfaces, Streams to avoid boilerplatecode, keep code simple and extensively used core java technologies such as Collections, Multi-Threading, Exception Handling.
* Good Experience in Springs and its modules, **Spring IOC, AOP, Spring Security, Spring Batch programming, Spring boot, Spring microservices, Spring JPA**.
* Strong Experience in implemented Service Oriented Architecture (**SOA**) and Microservices using **Spring Boot** REST web Services, **Micro Services**
* Experienced in **JMS** over messaging to exchange the information in more reliable and asynchronous way in enterprise Applications. Used **Apache ActiveMQ,** **Rabbit MQ**.
* Experience with **Batch jobs**, Scheduling batch jobs from **Workload Automation** Scheduler.
* Experience in programming and management in **LINUX** and **UNIX** environments.
* Created a Micro services using Spring Data **REST API** and tested with POSTMAN.
* Extensive experience in Amazon Web Services (Amazon EC2, Amazon S3, Amazon RDS, Amazon Elastic Load Balancing, Amazon SQS, AWS Elastic Search, AWS Identity and access management, AWS Cloud Watch, Amazon EBS and Amazon Cloud Front, AWS EMR, AWS SWF, AWS Redshift).
* Building and deploying applications in **AZURE**
* Experience in working in Software Configuration Management using **Tortoise SVN**, **Microsoft Visual Source Safe** (VSS) and Visual Studio Team Foundation Server (TFS), **GIT**.
* Worked in XML related technologies such as **DTD, XSD, XSL, XSLT, DOM, SAX, JAXP and JAXB for parsing XML into java object.**
* Working experience of Relational DBMS like **MySQL, Oracle SQL PL/SQL, SQL Server (MS SQL)** and **Oracle Performance Tuning.**
* Good experience in writing application on **No SQL** databases like **Cassandra** and **MongoDB**.
* Good Experience in using build tools like **Maven**, **Ant**.
* Good exposure on using various tools like **Spring source tool suite, RAD IDE, Eclipse IDE, IntelliJ Idea, TOAD**, **SQL Developer** in implementing the applications.
* Experience in dealing with **DevOps** tools like **Jenkins**.
* Experience with Jenkins **SonarQube** fixing the code coverage issues.
* Hands on experience in working with **Junit, Mockito, Power Mockito and TestNG.**
* Having knowledge and hands-on experience **with Selenium, Junit, Log4j** testing tools.

**TECHNICAL EXPERTISE:**

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| **Languages** | C, C++, Java, SQL, PL/SQL |
| **Tools and Framework** | Spring, Hibernate, Spring MVC, Spring IOC, Spring AOP, Spring Security, Struts, JSF, Junit, SOAP UI, Rational Rose |
| **J2SE/J2EE Technologies** | Java, J2EE, JDBC, Servlets, JSP, JMS, Java Beans, JSTL, Struts, JSF, EJB, Spring, Hibernate, JNDI, JPA |
| **Web Services** | SOAP, RESTful, WSDL, Microservices, JAX-RS JAX-WS, JAX-B |
| **Web Technologies** | HTML5, DHTML, CSS3, JavaScript, jQuery, AngularJS, Angular, AJAX, JSON Restful |
| **XML Technologies** | XML, XSL, DOM, SAX, DTD, XQuery, XSD and XSLT |
| **Databases** | Oracle, SQL-Server, MySQL server, MS SQL |
| **Web/Application Servers** | Apache Tomcat, IBM WebSphere, Web logic Application server, JBOSS |
| **Build Tools** | ANT, Maven, Docker and Jenkins |
| **IDE / Tools** | Eclipse, IntelliJ, Adobe Dreamweaver |
| **Testing Tools / Others** | Selenium, JUnit, Mockito, Soap UI, Log4j, JIRA, Postman and Swagger |
| **Protocols** | SOAP, LDAP, HTTP, HTTPS, FTP, SMTP |
| **Platforms** | Windows, Linux and Unix |
| **Version Control** | Tortoise SVN, CVS and GIT |
| **Design Patterns** | MVC, Front Controller, Factory Pattern, Transfer Object Pattern, Singleton, Business Delegate and DAO patterns |
| **Methodologies** | Agile, Waterfall, Test Driven Development |

**PROFESSIONAL EXPERIENCE:**

**US Bank, Minneapolis, MN / April 2018 to Till Date**

**Sr. Full Stack Java Developer**

**Responsibilities:**

* Application development was carried out following **Agile**-**Scrum** methodology and using J2EE architecture specification and Design patterns.
* Developed **Microservices** APIs using **Spring Cloud**, **Spring Security**, **Spring Boot**, **Spring AOP**, **Spring JPA** and Spring Integration.
* Involved in creating dynamic web site design and programming the application using **Angular 2/4/5, Prime-NG, HTML, Bootstrap, CSS, SAAS, GULP, Typescript and JavaScript**.
* Developed **Angular** services, components, and modules and worked with **Angular CLI** for builds and deployments.
* Developed **REST** web services using **Spring** **Boot** framework, integrated with **LDAP** for user registration, login and reset/change password functionalities and exposed the data to the UI in **JSON** format.
* Implemented **Micro Services based Cloud Architecture using Spring Boot.**
* Worked on **Hibernate** to connect and retrieve the data from **SQL** Server database. Configured with **Spring** to get properties dynamically and connected with **SQL** Server database.
* Used **Streams** and **Lambda expressions** available as part of **Java 8** to store and process the data.
* Implemented **Java 8** features to improve the performance of the services.
* Used **Angular Resource and http services** to retrieve the data from server and to display the content on the browser and took part in creating custom reusable components.
* Used **Apache** **Tomcat** application server for application deployment and used **NPM** for JavaScript packaging.
* Used **Java Messaging Services (JMS)** for reliable and asynchronous communication. Implemented JMS layer using IBM MQ and **Apache Kafka**
* Used **Junit** and **Mockito** for testing the application and **log4j** for logging the application.
* Used **Spring** declarative transaction management to manage transactions in the application. Developed **Spring batch** jobs for importing xml data into database and for email notifications.
* Scheduling the batch jobs from **Workload Automation** tool using Autosys.
* Deploying the batch jobs on different servers. (**Linux, Centos, RedHat, HP**).
* Working on financial application which includes accounts, payments and receivables screens, services and batch jobs.
* Worked on **XML** and **XSD** in generating PDF pages using FOP and worked on **JAXB** for parsing XML into java object
* Involved in performing Behavior driven development (**BDD**) using **Cucumber** and **Junit**.
* Developed angular unit test cases to test angular components using **Karma** and **Jasmine**.
* Used **Maven** build tool to build and deploy the application and **Jenkins** for continuous integration.
* Implemented version controlling using **GIT** and used Jenkins for continuous integration and continuous Deployment (CI/CD). Build & deployed wars using Maven on UNIX environment
* Used extensively **IntelliJ** for development and debugging the application and used **SVN** and **GIT** tools to manage the code versions.
* Implemented continuous deployment system with **Jenkins**, **AWS**: Code Deploy, Ops Works, and Packer for deployment of Java Applications.
* Installed application on **AWS** **EC2** instances and configured the storage on **S3** buckets.
* Resolved bugs/defects in application by coordinating with team members of the project to assure a positive outcome.

**Environment**: Java 8, J2EE, HTML, CSS, JavaScript, XML, PLSQL, JSP, JSF, Angular JS, Servlets, Spring, Struts, Hibernate, Spring Boot, Restful Services, Restful API, batch jobs, Web services, SQL, PL/SQL, Oracle 12c, Angular 5/6, Microservices, Eclipse, Maven, JUnit, WebLogic 10.X, IBM WebSphere Application Server, JIRA, Linux, Unix/Shell Scripting and ICE Servers

**FIS Global, Austin, TX/ July 2016 to April 2018**

**Sr. Full Stack Java Developer**

**Responsibilities:**

* Involved in requirement gathering, functional and technical specification.
* Used **Java-J2EE** patterns like **Model View Controller** (MVC), **Business Delegate**, **Data Transfer** **Objects, Data Access Objects**, factory patterns.
* Implemented Agile, Scrum methodologies actively involved in technical meetings, requirements gathering, analysis, planning, effort estimations, development and testing.
* Used Spring modules like **Core, Scheduler, JDBC template, JMS template, MVC and Security.**
* Used Spring Security for authentication and authorization of the application. Using Spring JPA and Spring Repository pattern extensively.
* Utilized the Spring Integration Framework for the project.
* Involved in coding, maintaining, and administering JSP components to be deployed on a spring boot and Apache Tomcat 8.0 Web Server.
* Responsible for writing micro services using **Spring Boot and Pivotal Cloud Foundry.**
* Worked on **Spring IOC, Spring MVC and spring integration with Hibernate.**
* Developed UI using **Bootstrap, AngularJS along with JSON and communications with back end using REST with Spring MVC framework.**
* Implemented JMS to asynchronously send and receive messages, Error Tickets placed in Message Queues automatically generated and updated into database by Remedy Trigger.
* Developed REST services to talk with adapter classes and exposed them to front-end. Developed pagination for AngularJS grids using Paging toolbar and grid column filtering.
* Used **Hibernate as an ORM framework to access the data from Oracle database.**
* Developed Micro services using RESTful services to provide all the CRUD capabilities.
* Build Micro services for the delivery of Purchase Order module using spring cloud.
* Developed Junit tests using **Mockito framework in a TDD (Test Driven Development) environment.**
* Developed REST Web services using CXF to perform transactions from front end to our backend applications, response is sent in JSON or XML formats based on the use cases.
* Used Spring Core Annotations for Dependency Injection and used Apache Camel to integrate spring framework.
* Developed DAO layer using JPA Criteria Builder it is used many projects for database operations and reduced redundancy.
* Created instances in **AWS as well as migrated data to AWS from data Center using snowball and AWS migration service.**
* Performed configuration, deployment and support of cloud services including Amazon Web Services.
* Involved in docker as the container technology with REST API and worked on creating this application for POC where micro services communicated through the API.
* Designed and deployed AWS Solutions using EC2, S3, Elastic Load balancer (ELB), EBS, and Auto Scaling groups.
* Used AWS SDK for connection to Amazon S3 buckets as it is used as the object storage service to store and retrieve the media files related to the application.
* Developed API for using AWS Lambda to manage the servers and run the code in the **AWS.**
* Worked with version control systems like SVN, Team City, etc.
* Expertise in Preparing, arranging and testing the Splunk search strings and operational strings.
* Implement DAO layer in Hibernate and JPA to get Reference Data used for Calculations.

**Environment**: Java, J2EE, Spring Framework, Angular, Spring MVC, EJB, Node JS, AWS, Cassandra, Docker, Hibernate, Bootstrap, HTML, JSP, CSS, JavaScript, jQuery, AJAX, Rest Webservices, Microservices, Spring Boot, PL/SQL, Oracle 11g, Kafka, Redis, Splunk, Selenium, Mockito, JUnit, JSON, WebLogic Application Server, Junit, GIT, Maven, Jenkins, Active MQ.

**US Food, Chicago, IL / Jan 2015 to June 2016**

**Java Developer**

**Responsibilities:**

* Involved in all stages of **SDLC** started from requirements gathering to Analysis, Design, Implementation, Testing and Deployment of entire project.
* Developed Web Service for retrieving Employee Data (based on **XML**, **WSDL**, and **SOAP**).
* Worked extensively on the **UI,** created views by utilizing **MVC3**, and created view models.
* Developed **Frond End Web** application by using **Angular JS, Bootstrap**, **HTML, CSS3** (SaaS) and JSF.
* Worked extensively with **Core Java**, **Multithreading**, and **Collections.**
* Designed front-end user interfaces with **React JS** by creating many components and modules.
* Worked on Spring DAO module encapsulated using DAO pattern to implement persistent layer components.
* Used and implemented the application using **Spring MVC, Spring IOC**, **Spring Annotations** modules and Hibernate.
* Developed Web Services to allow communication between applications through **REST** over **HTTP**.
* Migrating existing application into REST based **Microservices** to provide all the CRUD capabilities using Spring Security.
* Used EJB 3.0, JMS, Java Script in enhancement of the product.
* Done with Create DB, Collection, Documents, Projection, Aggregation, Replication, & Back up using **Mongo DB**.
* Used **Oracle** as database and Involved in the development of **PL/SQL** backend implementation and using SQL created Select, Update and Delete statements.
* Developed CI/CD system with Jenkins on **Kubernetes** container environment utilizing **Kubernetes**.
* Implemented SOA architecture with web services using **SOAP, WSDL** and **XML**.
* Designed extensive additions to existing **Java Web Application** utilizing Service Oriented Architecture (SOA) techniques.
* Worked on Redis Cache, Memcached and Rabbit MQ.
* Deployment, support and configuration of cloud services performed such as **AWS** (Amazon Web services).

**Environment**: Java, J2EE, JSP, Springs, Redis, Hibernate, Eclipse, Web Logic 10g, jQuery, MVC, Oracle 11g, PL/SQL, HTML5, CSS, Angular JS, XML, UML, Web Services, JUnit, EJB, GIT, Apache Kafka, Windows, UNIX.

**Availity, Jacksonville, FL / May 2013 to Nov 2014**

**Java Developer**

**Responsibilities:**

* Participated in requirement gathering sessions with the client and preparation/modifying of the requirements in Requirement Specification document.
* Designed and developed Application using Spring Framework, Spring MVC and Spring Templates.
* Developed front end using the JSF, JSTL, HTML, CSS, Bootstrap, JavaScript, jQuery, Typescript and AngularJS.
* Developed server-side common utilities for the application and the front-end dynamic web pages using JSP, JavaScript and HTML/DHTML, Developed EJB components encapsulating business logic.
* Involved in Requirements gathering, analysis, and design, development, and Testing and Maintenance phases of the application.
* Used Spring Core for concept Inversion of control (IOC) implemented using dependency injection.
* Used Hibernate Query Language (HQL) for writing the queries.
* Developed Soap and Rest web service clients to communicate with third party vendors. Involved in using REST API while integrating with servers.
* Developed Junit test classes for unit testing purposes.
* Involved in setting up Maven configuration and helping Continuous Integration (CI) Issues. Extensively used GIT as the version controlling Tool.
* Configured Log4j for adding the debugging information in the code base.
* Involved in creating JUNIT test cases and ran the TEST SUITE. Ran check style, PMD defects & Find bugs and fixed them.
* Involved in debugging the defects, code review and analysis of Performance issues.

**Environment:** Java /J2EE, Multithreading, core Java, EJB, Spring, Hibernate ORM 4.3.0, Spring web-flow, Spring MVC, Spring AOP, Spring Hibernate, JSF, JSTL, HTML, CSS, Java Script, AngularJS, Bootstrap, XML.

**Data Innovations, Louisville, KY / April 2012 to April 2013**

**Software Developer**

**Responsibilities:**

* Involved in the discussions with business users, testing team to finalize the design documents and story point's allocation for user stories.
* Followed **Scrum** **Agile** methodology for iterative development of the application.
* Used **core** **Java** to build new functionality based on the requirements.
* Involved in **core** **java** concepts - Interfaces, **Collections**, **Multithreading**, **Serialization** and **java** features etc.
* Developed **JavaScript** and **jQuery** functions for all **Client**-**Side** Validations.
* Designed & Developed User Interfaces using **Ext JS** **UI** **Framework**, **HTML5**, **CSS3**, **JSP**, **Struts**.
* Good Experience in **SOA** engineering and Microservices Architecture utilizing **REST** and **SOAP** **Web** **Services**.
* Worked with **SQL**, Stored procedures, **Triggers**, **PL/SQL** programming and **JDBC**.
* Written **SQL** Queries to interact with **Oracle database**.
* Web application development for back end using **Angular** **JS** and **Backbone** **JS**.
* Used **XML** applications to create **XML** strings send and receive data from **Mainframe** Martens.
* Extensive experience in development and implementation of **ORM** framework like **Hibernate** integration with **Struts** and **spring**.

**Environment:** Java (JDK 1.7), J2EE, JPA, spring 4.0, MVC, EJB, Eclipse, JUnit, JSP, XML, String Template, Web Services (SOAP, REST), Web Sphere as application server, SQL, PL/SQL, HTML5, CSS3, JSP, Structs, jQuery.