**MOUNIKA MUNAGALA**

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**OBJECTIVE:**

* Over 8+ years of experience and backed with rich domain knowledge, understanding and practical knowledge of several IT technologies, I seek a career with challenging assignments to amalgamate personal enrichment with professional goals.
* Expert in Various Agile methodologies like **SCRUM, Test Driven Development(TTD), Incremental** and **Iteration methodology, Agile Development**&**Testing usingSoftware Development Life Cycle.**
* Experienced in **Development, Testing** and **Deployment** of enterprise applications on **Windows, Linux** and **UNIX** platforms using IDE's such as **Eclipse, STS, Rational Application Developer (RAD), NetBeans, IntelliJ14.x/15. x.**
* Developed core modules in large cross-platform applications using **JAVA, J2EE, Spring, JSF, iBATIS, Hibernate, JSP, Servlets, EJB, JDBC, Web Services (SOAP, REST), E-Commerce, Micro Services.**
* Developed UI modules using **AngularJS, Vue.js, Node.js, JavaScript, Ajax, jQuery, Cordova, CSS3** and **HTML5**.
* Understanding Elastic search data to generate **Kibana** visualizations.
* Expertise in using **custom AngularJS directives** and **filters** to add functionalities to the web page elements.
* Strong experience in Spring Framework modules such as **Spring MVC, IOC, AOP, JDBC, JTA, IO, Spring Dashboard, Spring Boot, Spring Microservices, Spring REST, Spring Eureka, Spring Ribbon, Spring Netflix, Spring Zuul Proxy.**
* Experienced in implementing **Service Oriented Architecture** and **Web Services using SOAP, REST**.
* Strong understanding of Micro services patterns – **Circuit Breaker/Hystrix, DDD, Aggregator, Proxy Chaining**.
* Developed applications using latest technologies **like Spring 3.x/4.x, Hibernate3.2/4.x, REST** based Web services **(Axis2.0, JAX WS 2.0, JAX RS), Rule Engines (Drools4.1, ILOG)**, **jBPM** tools.
* Proficient in using **Amazon Web Services (AWS).** Extensive experience focusing on services like **EC2, Elastic Beanstalk, CloudWatch, CloudFront, Cloud Formation, IAM, S3, RDS, ElastiCache, SNS, SQS, AMI.**
* Experienced in working with **Spring JDBC Templates, JMS Templates, Spring EAI, Spring Rest Templates.**
* Experienced with **XML** related technologies such **XML, XSLT (DOM, SAX), XPATH and DTD.**
* Experience in database modeling, design and development of **PL/SQL** stored procedures, packages in relational databases: **Oracle 11g, SQL Server 2005/2008, DB2, PostgreSQL and MySQL.**
* Strong experience with **MongoDB** development (reports, schema design, map reduce functions) and migrations from **SQL** relational databases to **NoSQL** databases like **MongoDB, Cassandra** and **CouchDB**.
* Experienced in Middleware persistence frameworks like **Hibernate/JPA** Entities for mapping Java classes using **Hibernate Query Language (HQL), HSQL Named Queries, Criteria, Projections**.
* Experienced in **Distributed Transaction Management system** with **Spring JTA** Based on **Atomikos** and **Bitronix**.
* Hands on experience with build tools like **Ant, Maven, Gradle** and Logging tools like **Log4J** and **Splunk**.
* Experience with **CICD-Ant, Maven, Gradle, Jenkins, Hudson, CVS, Git, GitHub.**
* Experience in testing with **JUnit Framework using Mockito** and **Easy Mock, Spring Junit Runner, JMeter.**
* Expertise in several testing environments like **JUnit, Selenium, CURL, Jenkins, SoapUI** and **System Testing**.
* Responsible for support and maintenance, implemented **Spring Batch** for huge number of transactions.
* Experience in working with web servers like **Tomcat 8, WebSphere 8.0, Jetty, JBoss 7.1.0** and **WebLogic 10.0**.
* Experience in creating **Docker** images, Containers, push/pull and integrating with **Spring Boot**.
* Expertise with employment of **Spring Kafka** and **Zookeeper** apart from **JMS** as messagingservice.
* Experience using secure authentication mechanisms like **LDAP, SASL** and **Kerberos v4.**
* Used **Amazon Web Services (AWS)** a secure cloud services platform, offering compute power, database storage, content delivery and other functionality to help businesses scale and grow.

**TECHNICAL SKILLS:**

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| **Languages** | **Java 1.8, J2EE, Python 3.6.0** |
| **Web Technologies** | **SERVLETS 3.1, JSP 3.0, JavaBeans 3.0, Java Servlet API 3.0** |
| **Frameworks** | **Spring 4.3, Hibernate 4.3, Angular JS 1.0/2.0, Spring Security 3.2** |
| **Application/Web servers** | **Apache Tomcat 8, IBM WebSphere 8.0, Jetty, Jenkins 2.50, WebSphere MQ 7.5** |
| **Relational Databases** | **Oracle 11g/12C, SQL server 2012/2014/2016, MySQL 5.7, DB2 11.1** |
| **NoSQL Databases** | **MongoDB, Cassandra, CouchDB** |
| **Internet Technologies** | **HTML 5, JavaScript 1.8, XML 2.0, CSS 3 and CSS 4, jQuery 2.11, Angular JS 2.0, BackBone.JS 1.3.1, Node JS 6.0.** |
| **Cloud Environments** | **Azure, AWS, Netflix Eureka, Mesos, Kubernetes.** |
| **IDE** | **Eclipse, NetBeans 8.0.2, IntelliJ 2017.1, Spring Tool Suite (STS) 3.9.3** |
| **Operating system** | **Windows 10, Linux Mint 18.1, Unix** |
| **Bug tracking Tools** | **JUNIT4.12, JIRA 7.0, Bugzilla 4.4.12, Curl 7.36** |
| **Reporting Tools** | **Jasper Reports 6.0, Crystal Reports XI, SSRS 5.0** |
| **Methodologies** | **Agile, waterfall, TDD (Test-Driven-Development), Scrum** |
| **Developer IDE Platforms** | **Eclipse, Edit plus, Notepad ++, TEXT PAD, JBuilder, Net Beans 8.0.2, IntelliJ 2017.1, Spring Tool Suite (STS) 3.9.3, GITHUB 2.12.0** |
| **Build Tools** | **Ant 1.10, Maven 3.3.9, Gradle 3.4.1** |
| **Web Services** | **SOAP 1.2, REST 2.0, JAX-WS, JAX-RPC, JAX-RS** |

**Professional Summary**

**Role: Sr. JAVA/J2EE FULL STACK DEVELOPER Jan 2017 – present**

**Client: PNC BANK, Pittsburgh, Pennsylvania.**

**Title: Portfolio Tracker**

**Description**: PNC takes a personal interest in your banking needs mortgage, investing, credit card, insurance, consumer, and commercial financial services. This project is based on tracking portfolio growth, view investment allocations, access account information and view transfers and payments

**Responsibilities:**

* Followed **Agile, Scrum** approach of development strategy.
* Created many custom filters using **Angular 4.0** and external module to manipulate the routing.
* Configured **Karma** test runner for the project and unit tests are written in **Jasmine**.
* Designed, develop a custom, single-page, responsive **Web Application** on front end using **Angular 4.0**.
* Designed pages using **Angular 4.0 Validations, Modules, Events, Expressions, Directives, Controllers** and **Filters.**
* Extensively used **Spring Framework** modules like **MVC, DI(IOC), JDBC Templates, Spring Security** and **AOP.**
* Created and injected **Spring** services, **controllers** and **DAOs** for **DI** and to wire objects of business classes.
* Implemented the Project structure based on **Spring MVC** pattern using **Spring boot.**
* Hands on experience **Spring Boot Actuator**, **Spring Cloud**, and **Netflix Eureka.**
* Extensively used **Hibernate Mappings**, **HQL**, **Query, Criteria, Lazy Loading Transactions** and **Locking’s.**
* Developed Stored Procedures, triggered stored procedures using **Hibernate**.
* Experience with various persistence mechanisms and **APIs** like **JPA**, **JDO**, **Hibernate**, **EJB**.
* Used **Hibernate EHcache** for second level caching which resulted in enhanced performance of the application.
* Developed **Web Services** using **SOA** technologies such as **REST**.
* Developed and consumed **Apache CXF** based Web Services as part of Payments Application.
* Developed **Grunt** tasks to run the unit tests on **Jenkins**.
* Used advanced **Java 8** features like **Lambda Expressions** Streams, Filters. Enhanced concurrency methods etc.
* Design and develop **Selenium** tests to verify functionality of internal business applications and resulting data.
* Experience with creating **Workflows, Mappings** and Scheduling **Jobs** in **Informatics.**
* Developed Business rules using **Drools** and integrated with Application.
* Deployed the application in **JBoss** production server running in **Linux** platform.
* Worked with high volume and complex **PL/SQL Stored Procedures** and **Packages** using **TOAD**.
* Design patterns are extensively used to achieve clean separation of different layers like **Adapter, Singleton, Factory, Abstract Factory, Service Locator** and **Facade**.
* Extensively Used **Castor, XStream & JAXB** APIs for **XML** Marshaling and Un-marshaling.
* Experience with Upgrading existing project from **CVS** to **SVN** and **Hudson** to **Jenkins**
* Developing **Docker** images for Development and Testing teams and their pipelines.
* Strong understanding of **Microservice** architectures, patterns, related frameworks and prior hands-on experience in developing and deploying **Microservice** solutions.
* Implementing or exposing the **Micro service architecture** with **Spring Boot** based services interacting through a combination of REST and **Apache Kafka** message brokers.
* Coordinated **Kafka** operations and monitoring (via JMX) with **Dev ops** team.
* **Docker** container images, tagging, pushing images, integration of **Spring boot**.
* Experience in develop and configure monitoring solutions to provide full visibility to the different platform components using tools and services like **AWS, Cloud watch, Splunk**.
* Experience in Cloud Solutions on **AWS** utilizing **EC2, S3, IAM, ECS** and **RDS** etc.
* Experience designing and developing applications on relational databases **MongoDB.**

**ENVIRONMENT: J2EE, Spring Framework, Microservices, Spring MVC 4, MongoDB, Angular 4.0, Core Java, Spring Security, Hibernate 4.X, Magento, jQuery, JSON, AJAX, Web Services, SOAP, XML, Java Beans, XSTREAM, Apache POI, EXT JS, JavaScript, Eclipse, JBOSS, Agile Methodology, Design Patterns, Apache Maven, JUnit, HTML/Unit, XSLT, HTML5/DHTML.**

**Role: Sr. Java/J2EE Full Stack Developer Dec 2015 – Dec 2016**

**Client: Omnicare, Columbus, OH**

**Description**: Omnicare’s e-kit system is a high performance, flexible, automated system. A formulary is created to deliver medicines to facilities. Faulty manual systems, where every billing was manual is now automated. The facilities place the orders online and any discrepancies are reported within a week. This package provides a powerful way of user-driven application with transparency, security and ease in data access.

**Responsibilities**:

* Involved in Full Cycle of Software Development from Analysis through Design, Development, Integration and testing phases by following **Agile Software Development** with **Scrum methodology**.
* Developed using new features of Java 8 **annotations, Generics, enhanced for loop** and **Enums**.
* Well versed with core Java concepts **like Collections, Swing, Serialization** and **Servlets & JSP.**
* Designed and Developed UI for Customer Service Modules and Reports using **AngularJS, HTML, CSS, Bootstrap, JavaScript,** and **jQuery.**
* Worked with **Angular CLI** and **AngularJS** to create **Controllers and Angular components**.
* Used **Node.js** as a proxy to interact with Rest services and interacting with Database.
* Implemented the business modules integration using **Spring** and **Hibernate data mapping**.
* Used **Spring Boot Actuator** for application's configuration properties in various environments, Upgraded **Spring Rest Controllers** and **Services classes** to support migration to **Spring framework.**
* Using **Spring AOP** Module to implement logging in the application for application status and deployed **Spring Security** for **session fixation, clickjacking, cross site request forgery.**
* Developed **Microservices** using **Spring Boot,** **Spring Cloud** with **Netflix Eureka** to create the discovery Server, service, discovery clients and integrated **Apache Kafka** and **Zoo Keeper** as message broker.
* Developed **microservices** with **Spring** to retrieve API routes for the entire cluster. Using this strategy each microservice in a cluster can be load balanced and exposed through one **API gateway**.
* Developed Entity objects and used **Hibernate the ORM** tool to access persistent data from **SQL Server**.
* Experience using persistence framework like **Hibernate, JPA** for mapping java classes with Database.
* Experience working on **Docker Hub**, creating **Docker images** and handling multiple images primarily for middleware installations and domain configurations.
* Worked on creation of **Docker container images**, **tagging, pushing images, integrating Spring boot**, created the **Docker containers** and **Docker consoles** for managing the application life cycle.
* Utilized **AWS Lambda** platform to upload data into **AWS S3buckets** and to trigger other Lambda functions (**EC2, MongoDB**) focusing on high-availability, fault tolerance, and auto-scaling).
* Involved in configuring **Elastic Load Balancers** with Auto scaling to handle high traffic loads.
* Used **SQL Server** to access data in the database at different Levels, responsible for implementing **SQL queries** and managing **JDBC** interactions with data sources.
* Worked on **JBoss** Application server implementation, support, workload management and performance tuning including Web server setup configuration with **JBoss App Server**.
* Designed and developed custom **message adapter** components using **Apache Kafka** that allowed message to travel through Microservices to base on **RESTful API** utilizing **Spring Boot** with **Spring MVC.**
* Used **Maven** automated build scripts to compile and package the application and implemented **Log4j**.
* Implemented unique **design patterns** such as **singleton, business factory** and **J2EE design patterns**.
* Used **Maven** as build and dependency management tool for creating **EAR, WAR** and **JAR** file to be deployed in application servers and integrated with **GitHub, Jenkins Jobs.**
* Used **JIRA** for bug tracking, issue tracking and project management.
* Involved in converting **SQL** queries into **Apache Spark** transformations using Apache Spark RDDs and **Scala**.

**Environment: HTML5, CSS, jQuery, AJAX, NodeJS, APIGEE**, **Java1.8, J2EE, Spring, Hibernate, Web Services, SOAP UI, XML, SQL Server, Docker, AWS, Spring Boot, Swagger-UI, Log4j, Selenium, Jenkins, JIRA, Maven, GIT, WebSphere.**

**Client: USAA Financial Centers, San Antonio, TX Aug-2014 to No-2015**

**Role: Java developer**

**Description:** Dynamic set of activities to help a member to navigate process that requires the multiple interactions with USAA. 1. Current process status. 2. Individual Activity status. 3. Next activity required. 4. Estimated process completion. The main scope is ability to define set of activities for required to full-fill multi step business process, so that process can be consistent and repeatable. And systematically able to create and complete the activities based on trigger/events MSR activity productivity is increased and member has better experience thought the process ability have both manual and automated activities based on business process and ability to have activities added to business activities based on conditions that are defined by the business, so that process can be adapted for multiple business needs.

**Responsibilities:**

* Involved in complete development of ‘**Agile Development Methodology/SCRUM’**, developed and tested the application during various iterations.
* Involved in various phases of Software Development Life Cycle **(SDLC)** such as requirements gathering, modeling, analysis, design, development, testing, and monitoring.
* Used **Maven** as build tool and deploying the application.
* Developed the User Interface using **spring framework, JQuery and Ajax.**
* Developed screens using **Angular JS, CSS3** and **html5**.
* Implemented routing logic and navigation from screen to screen and also implemented login functionality on the client side in **Angular JS.**
* Developed complete solutions in **SOA** and create process flows, and integrate web services.
* Design and develop financial web applications using **Perl, HTML, JavaScript, CSS** and **SQL.**
* Developed reusable and interoperable modules based on **SOA** architecture in enterprise applications.
* Code analysis (**shell scripting and Perl files**) for financial processes.
* Execute parallel browser testing on various machines using **Selenium** Grid and performed cross browser testing.
* Used **spring** frame work **AOP** features and **JDBC** module features to the database for few applications. Also, used the Spring IOC feature to get hibernate session factory and resolve other bean dependencies.
* Developed the **persistence layer** using **Hibernate Framework** by configuring the mappings in hibernate mapping files and created DAO and PO.
* Used **XML/XSLT** for transforming common **XML** format and **SAML** for Single Sign-On.
* Designed configuration **XML Schema** for the application.
* **J2EE** deployment on **WebLogic/JBOSS** servers - QA & Staging
* Troubleshooting issues that may occur during the test cycle (Functional & load test) for the **J2EE** applications on **Struts and Spring** framework running on **WebLogic/JBOSS** servers.
* Developed various **Java beans** for performance of business processes and effectively involved in Impact analysis.
* Developed application service components and **configured beans** using **Spring IOC**, creation of **Hibernate mapping files** and generation of database schema.
* Created **SOAP** web services interface to Java-based runtime engine and accounts.

**Environment: Java, Hibernate, spring (AOP, Dependency Injection), XML, Tortoise SVN, Spring MVC, J2EE, JUnit, Maven, Web Sphere, UML, SOA, SOAP, Log4J, Oracle, JavaScript, AJAX, JIRA and RAD**.

**Client: High Mark, Pittsburgh, PA May-2012 to July-2014**

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

**Description**: HM Health -Solutions Inc. is a business unit of the Highmark Health enterprise which provides a comprehensive and integrated suite of solutions to optimize payer and provider systems for health insurance plans' core functions such as benefit design, member enrollment, claims processing and customer service. Capabilities include: Enterprise Application Solutions, Business Process Management Solutions, Data Hosting Solutions, Infrastructure Management Solutions, and Print Management Solutions. Through an aligned independent relationship model, HM Health Solutions delivers significant value for its partners, including the delivery of increased speed-to-market capabilities, cutting edge enhancements and lower operational costs to help offset the ever-increasing pressures and challenges of today's health insurance industry.

**Responsibilities:**

* Familiar with Cucumber, **Selenium** Web Driver, **Selenium** commands and x-path.
* Developer **springQuartz** jobs to run backend jobs and generated reports.
* Implemented **Spring Boot and Spring Security** features.
* Utilized **BPM Lambda** platform to upload data into **AWS S3** buckets and to trigger other Lambda functions. C
* Have used **AJAX** to retrieve data from server synchronously in the background without interfering with the display and existing page in an interactive way.
* Good working experience in **Spring Security, Spring Boot,** Spring Batch.
* Designed Prototype and project layout skeletons using **ReactJS, JQuery and CSS/LESS and HTML5**.
* Developed **several REST web services** which produces **both XML and JSON** to perform tasks, leveraged by both web applications.
* Used **GWT, GUICE, JavaScript, Angular JS** for client side implementation.
* Experienced in JMS over messaging to exchange the information in reliable and asynchronous way in enterprise Applications. Used Apache **ActiveMQ** as JMS provider. Experience in Apache Camel integration and EIPs.
* Bulk loading of the data into **Cassandra** cluster using Java API's.
* Worked on **Rest Web services** as well as **Node Rest framework** for backend services, used **Mongo DB (NoSQL)** for database services.
* Used various **jQuery** and **Bootstrap** plug-in like **date picker, Bootstrap** selectors.
* Created the Application using **React.JS and Node.js** libraries **NPM**, **gulp** directories to generate desired view and flux to root the URL's properly.
* Exposed and consumed **SOAP** based **Web Services** to communicate between systems.
* Developed Wrapper in **Python** for instantiating multi-threaded application.
* Used **ActiveMQ** to improve the stability and scaled the system for more concurrent users.
* Heavily used **SOAP UI** Pro version for testing the Web Services.
* Worked with **Cassandra** **QueryLanguage** (CQL) to execute queries on the data persisting in the **Cassandra** **cluster**.
* Set up Selenium tools from scratch and configured various other peripherals tools to perform **Selenium** test.
* Developed several **SOAP based JAX-WSWeb Service** for integrating multiple systems, code re-usability.
* **JBoss** Application server implementation, support, workload management and **performance tuning** including Web server setup configuration with **JBoss** App Server.
* Developed web application and Implemented user interface using **Ruby**, **CSS, HTML5, JavaScript, JQuery**.
* Wrote SQL **queries, stored procedures** and enhanced performance by running explain plans.
* **GWT (Google Web Tool Kit)** is used to build and develop the MAT Application.
* Developed data transformer for converting data from Source tables to format and fed into **Kafka** using Camel.
* Used Junit and TestNG testing Framework as a test runner with **Selenium.**
* Developed **Python** OO Design code for logging and debugging code optimization.
* Developed new features for a **REST SOA** backend in **Closure** and evolution of an end- tire backend architecture.
* Used **multithreading** in programming to improve overall performance.
* Developed various helper classes needed using **multi-threading.**
* Created and configured new **JIRA** projects and worked with departments to maintain existing **JIRA** projects.
* Used **JavaScript, jQuery** for user interactions in pages. Creating a responsive web application integrating Twitter Bootstrap with **Angular JS** and media queries.
* Used XStream API to transfer data back and forth between **Spring MVC and Ext JS.**

**Environment: Java, J2EE, JDK 1.7/1.8, RCP, JBOSS, AWS SDK, Ext JS, GIT, Swing, JFC, Perl 5.6, Spring 4.x, AWS SNS/SQS, hibernate4.x, Core Java, SOAP/Rest, Web Services, GWT, Python 2.7, JavaScript, Clojure, UML, Web Services, HTML5, CSS, SASS, RAD 7, WAS 8 WSDL, SDK’s, JIRA 5.x/6.x, JAXB, Linux, JAX-WS, JAX RPC, JMS, JSF, UNIX, Ruby1.9.3, AKKA, iBatis, SeleniumNOSQL(MongoDB), Angular JS, Node JS, ReactJS, AJAX, Apache JMeter, JQuery, JUnit, Maven, EMR, Oracle.**

**Client: State of Iowa** **Dec-2010 to April-2012  
Role: Sr. Java/J2EE Developer**

**Description:** The application is based on the MVC architecture. My Access checking module will be displayed in Accounts Overview.

Users of My Access can find additional information like plans accepted by each doctor, medical schools attended, board certification status, languages spoken, office locations, handicap access, maps and driving directions, and much more.

**Responsibilities:**

* Involved in complete development of ‘**Agile Development Methodology/SCRUM**’, developed and tested the application during various iterations.
* Involved in various phases of **Software Development Life Cycle (SDLC)** such as requirements gathering, **modeling, analysis, design, development, testing, and monitoring.**
* Spring JMS was used to connect to **ActiveMQ** for the purpose of interconnecting various internal systems.
* Extensively used **MVC, Factory, Delegate** and **Singleton design patterns.**
* Develop Hybrid Test Framework using **Selenium WebDriver, Maven** and TestNG.
* **ActiveMQ** Distributed Queues were used to connect between HUB Queue Server and SPOKE Queue Server.
* Tested **Web Services** using SOAP UI and involved in composing test suites for operations.
* Used **Collection Framework and Multithreading** for performing cache Operation.
* Developed, and debugged the **servlets and EJB** with WebSphere Application server.
* Designed and developed the UI using **Struts view component, JSP, HTML, CSS** and **JavaScript, AJAX, JSON**.
* Designed and developed web pages using with **HTML5, DHTML, XHTML, CSS3, Ajax, JSP** and**JQuery** based on the W3C standards and Web 2.0.
* Configured and verified **AWS** workstations as per application requirement.
* Worked with ORM tools **iBatis** which talked to backend database Tandem.
* Utilized a combination of regular expression and **jQuery** Validation Plugin to conduct input check.
* While in the newer sub project, conducted validation in **AngularJS** way.
* **MQ** was used to provide a single unifying transport that reduces cost and maintenance efforts, including support for **HTTP, REST and JMS.**
* Developed **Maven scripts** and developed builds using Maven and continuous integration servers like Jenkins.
* Used **XMLHttpRequest** Object to provide asynchronous communication as part of **AJAX** implementation.
* Experience with **KORN** based scripts as part of triggering **UNIX** and J2EE based Jobs.
* Used SOAP for **Web Services** by exchanging XML data between applications over HTTP.

**Environment: Core Java/J2EE, Servlets, Java Spring, JSTL, JMS, XML, XSLT, JDBC, Python 2.7, AJAX, IBM WebSphere Application Server 8.0, Oracle 11, WSAD, IBM MQ, HTML, CSS, JavaScript, Eclipse, UML, Windows XP, CVS, JUnit, ANT.**

**Client: Icon Solutions, India Oct 2009 to Nov 2010**

**Role: Software Engineer**

**Description:** Component Administration is an Application which will be used by I.V. technology Sales and Marketing division for performing Dynamic and effective pricing of their products. Componentization describes the dynamic web based discounting, pricing and componentization capabilities and tools. The required capability is for a Web Based Dynamic Component catalog featuring defined components, Elements and Parents.

**Responsibilities: `**

* Performed analysis for the client requirements based on the developed detailed design documents.
* Developed **Use Cases, Class Diagrams, Sequence Diagrams** and **Data Models** using **Microsoft Visio**.
* Developed **STRUTS** forms and actions for validation of user request data and application functionality.
* Developed **JSP’s** with **STRUTScustom tags** and implemented **JavaScript** validation of data.
* Developed programs for accessing the database using **JDBC** thin driver to execute queries**, Prepared statements, Stored Procedures** and to manipulate the data in the database.
* Developed the application using **J2EE** architecture.
* Involved in developing **JSP** forms.
* Designed and developed web pages using **HTML** and **JSP**.
* Involved in developing **business tier** using **stateless session bean**.
* Used **JavaScript** for the web page validation and **Struts Valuator** for**server side validation**.
* Designing the database and coding of **SQL, PL/SQL, Triggers** and Views using **IBM DB2**.
* Developed **Message Driven Beans** for asynchronous processing of alerts.
* Used **JDBC** for database connectivity with **MySQL Server**.
* Used **CVS** for version control.
* Used **Clear case** for source code control and **JUNIT** for **unit testing**.
* Involved in **peer code reviews** and performed integration testing of the modules.

**Environment: Java, J2EE, Struts, HTML, JDBC, ANT, XML, IBM Web Sphere, JUNIT, DB2, Rational Rose, CVS, UNIX, Clear Case**.