**Venu Vajeravelu**

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**Sr Java Full Stack Developer**

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**PROFESSIONAL SUMMARY:**

* Over **8+ years** of experience as **Java/J2EE/UI Developer** in design, development, implementation and maintenance of web and distributed Enterprises applications using **Java/J2EE** and **UI** technologies.
* Experience in **Agile** software development process, **Test Driven Development** and **Scrum** methodologies and Part of **Scrum, Sprint review, Retrospection** and **Virtual Closure** meetings as a part of **Agile.**
* Experienced in Java **Web-based, Desktop** and **Multitier Based** Development with Concepts **of Object-Oriented Design(OOD)**, **Object Oriented Analysis(OOA)**, **Object Oriented Programming(OOP)** and its implementation.
* Good knowledge of **Java 8** Features including **Lambda expressions, Method references, Functional interfaces, Stream API, Default methods, Optional class, Collectors class, Parallel array sorting** etc**.**
* Expertise in the implementation of **Core Java** concepts of **Java, J2EE Technologies**: **JSP, Servlets,JSF**, **JSTL**, **EJB** transaction implementation (CMP, BMP, Message-Driven Beans), **JMS**, **Struts, JSF, Spring, Swing, Hibernate, Java Beans, JDBC, XML, Web Services, JNDI, Multi-Threading, Data structures** etc.
* Proficient in developing front-end systems with **JavaScript**, **jQuery**, **Ajax**, **Bootstrap**, **HTML**, **CSS** and **Client-side frameworks** such as **AngularJS, ReactJS, Backbone.js, D3JS** and **Server-side** framework **NodeJS.**
* Hands on experience in developing web application using **Spring MVC** Framework web module.
* Strong experience in Spring Modules like **Spring AOP, Spring IOC, Spring Boot, Spring Microservices, Spring REST, Spring Eureka, Spring Ribbon, Spring Dashboard.**
* Experience in **Spring Security** for **Authentication** and **Authorization of REST** services using **OIDC** on top of **OAuth.**
* Developed **SOAP (using WSDL, JAX-WS, JAX-B)**, **REST (using JAX-RS, Apache CFX, JERSEY, Spring boot) web services.**
* Experience in configuring and deploying the applications and messaging on **Apache Web Server**, **Tomcat**, **WebSphere Application Server**, **WebLogic Application Server, Nginx**and **JBoss** Servers.
* Experience with multiple databases like **Oracle 10/11g**, **SQL Server**, **MySQL**, **DB2**, **Sybase, PostgreSQL**and **SQLite**
* Solid experience in integrating **Spring** **HibernateORM** and **JPA(HQL, XML, Criteria API, Native SQL, Reverse Engineering, Hibernate MVC, Hibernate Dao Support, Persistent Data, Component Mapping, Associations, Annotations** and **Connection Pool (Apache DBCP)).**
* Strong experience with **NO SQL** database like **Mongo DB**, **Cassandra** and **Dynamo DB** development (reports, schema design, map reduce functions) using **ODM** frameworks like **Mongo’s Connector, Cassandra Node Connector.**
* Expertise in Java Message Service MQ's like **Apache Kafka along with Zookeeper**, **Rabbit MQ,IBM MQ**, **Active MQ**.
* **Proficient in using Amazon Web Services (AWS). Extensive experience focusing on services like EC2, Elastic Beanstalk, Cloud Watch, Cloud Front, Cloud Formation, S3, RDS, SNS, SQS, IAM.**
* Responsible for writing **micro services** using **Spring Boot** and **Pivotal Cloud Foundry(PCF).**
* Experience in developing and utilizing **JAR, WAR, EAR** files with building tools like **Maven, ANT**, **Gradle.**
* Worked with **Docker** and **Kubernetes** on multiple cloud providers, from helping developers build and containerize their application (**CI/CD**) **pipelines** to deploying either on public or private cloud.
* Experience in building database Model, APIs and Views utilizing **Python**, to build a web-based solution.
* Knowledge of **Spark**, **Hadoop** Architecture and concepts like **HDFS, YARN**, **Name Node**, **Data Node**, **MapReduce.**
* Experienced in performing unit testing using **Selenium, Cucumber,Junit, Mockito, Mock MVC**, **JMeter**, **Jtest**, **TestNG**.  **Protractor**,**Jasmine, Karma.**
* Implemented **Log4j** to log errors and messages for ease of debugging.

**TECHNICAL SKILLS:**

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| **Languages/API** | **C, Java 6/7/8, Java/J2EE, Python, Swing, JDBC, DTD, UML, Design Patterns, Shell Scripts, HTML, JavaScript, SQL and PL/SQL** |
| **Java/J2EE Technologies** | **Servlets, JSP, JDBC, JNDI, JMS, ORM** |
| **Application/Web Servers** | **Apache Tomcat 7.x/8.x, IBM WebSphere, BEA Web Logic 11.x/12.x, J-Boss 6.x/7.x** |
| **Web Technologies** | **HTML,CSS,DHTML, Servlets, JSPs, EJB, JNDI, JMS, XML, XSLT, XSD, JSF, jQuery,**  **Ajax,AngularJS 1.x/2.x, NodeJs, VueJs, ReactJs, Bootstrap.** |
| **Spring Frameworks** | **Spring IOC, Spring Batch, Spring Boot, Spring Security,Spring Zuul, Spring Netflix, Spring Eureka, Spring Ribbon,** |
| **Relational Databases** | **Oracle 10g/11g/12C, SQL server 2012/2014/2016, MySQL 5.7, DB2 11.1** |
| **NoSQL Databases** | **MongoDB, Cassandra, CloudantDB** |
| **IDEs** | **Eclipse, NetBeans, RAD, WSAD, Intellij 15.x/16.x/17.x, Spring Tool suite 2.x/3.x,**  **Visual studio** |
| **Web Services** | **SOAP, RESTful, UDDI, WSDL, JAX-RPC, JAX-RS JAX-WS, JAX-B, Axis, CFX, AWS.** |
| **Version Control Tools** | **GIT,SVN, Rational Clear Case** |
| **Build Tools** | **ANT, Maven, Gradle** |
| **Testing** | **JUnit, Jasmine, Karma, Protractor,Jenkins, Selenium, Cucumber, Mockito, JMeter,**  **Mock MVC**, **Jtest**, **TestNG, Chai.** |
| **Reporting Tools** | **Jasper Reports 6.0, Crystal Reports XI, SSRS 5.0** |
| **Cloud Environments** | **AWS, Azure, Eureka, Kubernetes, Bluemix** |

**PROFESSIONAL EXPERIENCE:**

**Client: Sabre Airline Solutions - Southlake, TX March 2018 – Present**

**Role: Sr. JAVA/J2EE FULL STACK DEVELOPER**

**Description:** Sabre Airline Solutions is the number one provider of Software as a Service (SaaS) solutions to the aviation industry. We give airlines the freedom to better market their airline, sell their products, serve their customers and efficiently operate the way they want. Over 380 aviation companies around the world rely on us for leading service-enabled solutions from advanced commercial planning, business intelligence, ecommerce, merchandising and reservations to inventory, departure control and enterprise operations. Sabre Airline Solutions enjoys the largest airline community, with leading edge engagement with our clients every day 24x7 with a follow-the-sun support strategy.

**Responsibilities:**

* Developed and implemented**spring** and **J2EE based MVC (Model-View-Controller)** framework for the application.
* Implementing the project in **Agile** methodologies - **sprint & scrum**.
* Used advanced **Java 8** features like**Lambda expressions** for array operations, collections. Enhanced concurrency methods etc. throughout the application for well-defined programming.
* Implemented various features of **Spring framework** such as **Dependency Injection, IOC, Annotations**, **Spring Security, Spring AOP** and **Spring integration** with **Hibernate**.
* Worked with **GIT** as a version control tool in the project. Performed Unit testing using **Junit and Travis CI** for **CI/CD**.
* **Developed Docker Images,** managing and running the applications within containers by using **Docker.**
* Implemented **Travis CI** which automatically detects when a commit has been made and pushed to a **GitHub** repository that is using **Travis CI**, and when each time this happens, it will try to build the project and run tests.
* Used **Maven** as build and dependency management tool for creating **EAR, WAR and JAR** file to be deployed in application servers and integrated with **Zen Hub.**
* Expertise with **Junit** test cases for unit test of all developed modules.
* Developed test cases and performed unit testing using **Karma, Jasmine** and **JUNIT** test cases.
* Develop unit test using **Karma and Jasmine**. Followed strict patterns of RA team for unit test cases with jasmine.
* Worked on **Zen Hub** for issue tracking and even it rails with different community sothey can be away from monolithic apps towards microservices with their own git repos.
* Designed and implemented **IBM Forms** to manage the risk and also to find risk and criticality level of the risk.
* By using **JavaScript** services, I have calculated the formulae to find the criticality of the risk and also fetch the user details from the **IBM Forms**.
* Used **Angular5** to provide dynamic User Interface and for the client-side validations.
* Used **IBM Cloudant DB** HTTP request methods like GET, Head, Post, Put, Delete and Copy methods.
* Expertise on **SwaggerAPI** which can generate all the **RESTServices** automatically and provides an ease of interaction with the remote services.
* Built **REST**web service by building **Node.js**Server in the back-end to handle requests sent from the front-end.
* Icollaborate across all **IBM** business units that use the **Bluemix Cloud platform** to make certain the right content is developed and published to the right place.
* Used **Spring Security** for implementing the authentication, authorization, and access-control features.
* Developed **Restful Web Services** for Historical Data Module for Small Business Merchants.
* Developed a **Rest API** so that the user can view the current month data in the dashboard.
* Even implemented **APP SCAN** which helps in finding the vulnerabilities in the application.

**Environment: Agile/Scrum Methodology, Java and J2EEd, JAX-RSAngular5**, **CSS3**, **HTML5**, **Bootstrap, Lambda expressions**, **Spring AOP, Spring Inheritance, Spring Ribbon, Microservices, Spring Security,JSON, RESTful, CloudantDB, Bluemix Cloud, Kibana, Docker, GIT, Junit, Karma, Zen Hub, Travis CI, API Implementation, Eclipse, Visual Studio, APP Scan.**

**Client: First National Bank - Omaha, NE Aug 2016 – Feb 2018**

**Role: Sr. JAVA/J2EE FULL STACK DEVELOPER**

**Description:** SOA initiative of First National Bank to rewrite and implement SOA architectures, convert code from legacy and change entire business processes across the organization and TIP is the first internet project consisting whole Bank card and Bank account (Retail) operations functionality. The project is being built using latest open source software and deployed onto IBM Websphere. This System is an implementation of the core functionality of the Bank Services for the Small Business and Commercial users. It includes the complete implementation of the Online Services. Development effort: Designed/Developed the EG Systems. Also implemented the Core Systems

And using SOA architecture and web services

**Responsibilities:**

* Developed and implemented **spring** and **J2EE based MVC (Model-View-Controller)** framework for the application.
* Implementing the project in **Agile** methodologies - **sprint & scrum**.
* Used advanced **Java 8** features like**Lambda expressions** for array operations, collections. Enhanced concurrency methods etc. throughout the application for well-defined programming.
* Developed single page applications using **Angular 4**, **Typescript, HTML5**and **CSS3.**
* Developed scalable applications using then **MEAN** (**Mongo-DB + Express.JS + Angular 4 + Node.JS**) stack and created POC's for rest service development using **Node.JS, Express.JS and MongoDB.**
* Involved in implementing Programmatic transaction management using **Spring AOP,** also used other modules of **Spring DI** and **Spring DAO Module** along with Struts Framework to deal with Database.
* **Load balancing among the servers was implemented by using Spring Ribbon.**
* Worked on **Spring Security** for application authentication and authorization using **OIDC** on top of **OAuth**.
* Implemented various features of **Spring framework** such as **Dependency Injection, IOC, Annotations**, **Spring Security**, **Spring Inheritance, Spring AOP** and **Spring integration** with **Hibernate**.
* **Implemented failsafe and circuit breaker patterns in Spring Boot Micro Service applications using Hystrix and monitored the services using Hystrix Dashboard.**
* Wrote various Hibernate Queries using **Hibernate Query Language (HQL)**, **Named Parameters**, **Named Queries** and hibernate criterion queries to execute queries against database.
* Used **Hibernate Transaction Management**, **Hibernate Batch Transactions** and **Hibernate Cache** Concepts.
* Implemented **MYSQL** queries and used **Oracle** stored procedures and functions to retrieve and update data.

Created **Stored Procedures**, user defined **functions** and **Views**, modified already existing **stored procedures**, **triggers, views, indexes** depending on the requirement.

* Worked on **MongoDB** concepts such as locking, transactions, indexes, sharing, replication and schema design.
* Involved in designing database Model, API's, Views using **Python** to build an interactive web-based solution.
* Implemented **SOA**P to develop **Spring Restful/Micro Services and implemented Spring Eureka, Netflix, Ribbon as part of Services Discovery** usin**g Apache Axis**.
* **SpringBoot Microservices were developed with microservice architecture using REST.**
* Used **Apache Kafka** along with **Zookeeper** to streaming data pipelines to get data between systems or applications.
* Deployed Applications on **JBOSS** Application Server.
* Experienced in developing, designing and implementing a large-scale e-commerce and social marketing web application on **AWS.**
* We take advantage of Python's fast iteration, agile, and continuous integration to allow for quick time to market. scalability using **AWS**, **Memcached**, and **Task Queue** asynchronous processing capabilities.
* Developed Applications using **Rule Engines-JBoss Drools 4.x**, **Work flows, Human tasks** to implement business rules validations and provided **Drools Dashboard** for business users.
* Worked with **GIT** as a version control tool in the project. Performed Unit testing using **Junit** and **Mockito**.
* **Experience with building Docker Images and running them on Docker container.**
* Used **Maven** as build and dependency management tool for creating **EAR, WAR and JAR** file to be deployed in application servers and integrated with **SVN, Jenkins, Jenkins Jobs.**
* Used **Protractor** framework to test angular frameworks
* Developed **JUnit**, **Groovy** test cases for unit test of all developed modules.
* Used **Selenium WebDriver** for writing test scripts for regression test coverage.

**Environment: Agile/Scrum Methodology, Java and J2EEd, HTML5**,**CSS3**,**JSF,Angular 4**, **Bootstrap, Lambda expressions**, **Spring AOP, Spring DAO, Spring Inheritance, Spring Ribbon, Hibernate, Microservices, Spring Eureka, Spring Security,RESTful**, **REST, Python, Groovy, MongoDB, Apache Kafka, PL/SQL,Docker, Drools, GIT, SVN, Junit, Mockito, Jenkins, Protractor, Selenium WebDriver.**

**Client:Lawson Products - Chicago, IL Jan 2015 – Jul 2016**

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

**Description**:Lawson products, a business of Lawson products Inc is an industrial distributor of maintenance and repair supplies. Pricing and order entry tool was primarily created for Lawson products website. This website provides information on industry leading products which also includes pricing and order entry tool which provides real time pricing for superior brands and products.

**Responsibilities:**

* Involved in designing, developing and testing the application by using the **HTML5, CSS3, Bootstrap and React.JS**
* For client-side view rendering services, used **React JS** and various predefined **Redux** libraries.
* Used **Redux-Store** and**Redux-Reduce** for holding the state tree of the application.
* Involved to implement various screens for the front end using **React.js** and used various predefined components from Node Package Manager and redux library.
* Designed and developed batch jobs using**SPRING BATCH**architecture. Have extensive knowledge in **core java** and **spring batch** development.
* Expertise in **React JS** framework to develop the SPA. We have even used **React JS** components like Forms, Keys, Events, Router, Animations and Flux concept.
* Developed the apps using design patterns like **Singleton, Business Delegate, MVC and Factory** Pattern for re-usability. Developed **re-usable utility classes** in **core java** for validation that are used across all modules.
* Implemented various modules in **Spring like AOP, IOC (Dependency Injection)**, **Bean Wiring, Spring Inheritance, Auto Wiring, Spring JDBC Templates and Spring Quartz Schedulers for Jobs.**
* Involved in developing components on Reporting Dashboard with**JSF**,**Spring Framework, Spring MVC**and **Hibernate** and created Micro Services using **Spring Boot**.
* Used **DAO pattern** to fetch data from database using **Hibernate** to carry out various database.
* Used **Hibernate Transaction Management, Hibernate Batch Transactions,** and **cache concepts.**
* Database development required creation of new tables, **SQL Stored Procedures**, **Views**, **Indexes** and **Constraints, Triggers** and required **SQL** tuning to reduce the response time in the application.
* Worked with **CassandraNodeConnector** for database persistent to interact with **Cassandra DB.**
* Developed **Web Services SOAP/HTTP**, **SOAP/JMS, SMTP** using SOA technologies like **SOAP, WSDL, UDDI.**
* Extensively used **JQUERY** to perform **AJAX** calls for creating interactive web pages on **JSON** response.
* Had experience in working on cloud AWS cloud EC2, S3, RDS, Load Balancer, Auto Scaling with AWS command line interface and AWS python SDK. Worked on AWS EBS Volumes, Cloud Formation and Cloud Watch services.
* Used **AWS** for Deploying, managing and operating scalable, highly available, and fault tolerant systems.
* Utilized **AWS Lambda** platform to upload data into **AWS S3** buckets and to trigger other Lambda functions.
* Efficiently implemented platform as service technologies like **Pivotal Cloud Foundry(PCF).**
* Worked on **Camel-based integration** middle-ware solution for Provisioning Services by design and the Implementation of business logic and data processing routes using **Apache Camel**.
* Leveraged **Docker** Engine to run Multiple **Tomcat** Instances as Containerized App Servers.
* Installed and configured **WebSphere Process Server 6.1** and **WebSphere ESB 6.1**, **WID**.
* Develop unit test using **Karma and Jasmine**. Followed strict patterns of RA team for unit test cases with jasmine.

**Environment: Core Java/J2EE, Spring, WebSphere Application Server 7.0, Web Services, EJB 3.0, JPA, Apache Axis, Oracle10g, Java Script, AJAX, JSP, JSF, HTML, CSS,ReactJS, RAD, RSM, Log4j, Clear Quest, Rational Clear case, AJAX,Docker, Bootstrap, SOAP, Hibernate, Spring, Apache Camel,PL/SQL, Karma, Jasmine.**

**Client: First Federal Bank - Lansing, MI Jan 2014 – Dec 2014**

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

**Description:** First Federal Bank Corporation is one of the 20 largest independent bank holding companies in the U.S, with more than 750 branches, free account access at more than 1,800 Federal Bank places. This bank maintains variety of products, including lines of credit, demand noted, term notes, letters of credit. First Federal Bank also deals with Collateral information such as vehicles, mortgages and trust accounts. This application is a form based auto loan processing system where the application inputs the user data and gives an appropriate interest rate by calling third party services for credit record. Social is masked by RSA encryption for security.

**Responsibilities:**

* Involved in the development of the UI using **JSP**, **HTML5**, **CSS3**, **JavaScript**, and **JQuery**.
* Developed user interface using JSP with **JavaBeans, JSTL and Custom Tag Libraries, JS, CSS, JQuery, Node.js, HTML, SASS and Ajax** to speed the application.
* Implemented **Angular JS** Routing and navigation, Components, Services.
* Used **AngularJS** to provide dynamic User Interface and for the client-side validations.
* **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 services that are reusable, interoperable based on **SOAP, WSDL, JAXWS, JAXRPC Web services.**
* Well versed with core Java concepts like **Collections, Swing, Serialization and Servlets & JSP.**
* Implemented Internationalization using **Spring MVC Interceptors and spring core modules.**
* Provided installation, configuration & maintenance of pre-prod and production Cloud environments including services such as **Tomcat, Apache, Jetty, MySQL, and Jira**.
* Responsible for developing the connection pooling for FileNet Server implementing **spring** framework concepts such as Transaction management and **DAO** support.
* Developed **POJO** objects and used **Hibernate** as the **Object-Relational Mapping (ORM)** tool to access the persistent data from SQL Server.
* Hands-on writing **Stored Procedures, functions, triggers, DDL, DML SQL** queries. Experience in writing **SQL, PL/SQL** programming and SQL Loader.
* Worked on **Hibernate** object relational mapping according to database schema.
* Did load testing of SOAP Web Services using **SOAP UI** and Apache **JMeter** tools.
* Used **JMS (Java Mailing Service) API** to mail notifications upon the success or failure when the backend processes are completed and to send mail notifications regarding any system related problems.
* Develop batch processes for financial reporting applications and modules using **Perl** and **Korn** shell scripts on Oracle database, with partitions and sub-partitions.
* Developed Test classes using **JUnit and Easy Mock** and test coverage using **EMMA** plug-in.
* Worked with **Splunk** to logging and analyzing defects status.
* Knowledge on **Jenkins** builds.

**Environment:Java, J2EE, JDK 1.5,JBoss 3.0,Spring core, JMeter, Swing, Hibernate, Jetty, Core java, Perl, Spring MVC, Hibernate, SOAP/Rest Web services, FileNet, Ajax, XML, jQuery, Ext JS, HTML, CSS, Angular 2, SASS, JAX-B, SVN, Maven, Jenkins, Splunk, SFX, Splunk, Ext JS, MAX, SEED. Oracle**

**Client:** **Capital One - Richmond, VA Oct 2011 – Dec 2013**

**Role:** **Sr. Java Developer**

**Project:** Prudential Risk Protection-Mapping Service  
**Description:** This application is developed for Prudential's Insurance division. Mostly used by Prudential Agents as single portal or platform for managing their work. Maps field boundaries, subfields, overlays attribute information, allows for unique labeling, and printing maps.

**Responsibilities:**

* Worked as Full Stack Developer assisting my team in developing two different Web-based applications. Fallowed **Test-Driven Development(TDD)** and **Agile** methodology.
* Developed UI pages with **HTML5, CSS3, JavaScript, jQuery**and **Boot Strap** for creating Responsive Web pages.
* Involved in developing a Single-Page Application pages using **AngularJS, REST** Services.
* **Java Server Faces (JSF)** for building component-based user interface.
* Used **jQuery** and **AngularJS** provide dynamic User Interface and for the client-side validations.
* Built **REST**web service by building **Node.js**Server in the back-end to handle requests sent from the front-end.
* Involved in developing components on Reporting Dashboard with **Spring MVC, Spring Framework** and **Hibernate** and created **Microservices** using **Spring Boot.**
* Used **Spring Security** for implementing the authentication, authorization, and access-control features.
* Used **Spring Framework** for Dependency Injection and integrated it with the **JSF** Framework.
* Worked on **Spring boot, Spring Restful** template to develop Application Level **Micro services**
* Created tables and worked on **My SQL** and **PL/SQL** to write Stored Procedures functions and packages for complex Inserts and updates in the database. And used Stored Procedures in the application.
* Worked on automating data loading, extraction. **UNIX Shell scripting** is used for generating the reports.
* Developed **Restful Web Services** for Historical Data Module for Small Business Merchants.
* Managing and running the applications within containers by using **Docker.**
* Involved in the development of underwriting process,communications without side systems like **IBM MQ**, **JMS.**
* Performed code build and deployment using **Maven** and **Jenkins.**
* Developed test cases and performed unit testing using **Karma, Jasmine and JUNIT** Test cases.
* Developed multiple unit and integrations tests using **Mockito, Easy Mock.**
* We used **Grunt** for Build Process.

**Environment**: **HTML5, CSS3, AngularJS, Restful Services, Node JS, Spring MVC, Spring, Spring Boot, Spring Security, Spring Core, Hibernate, MYSQL, Maven, Jenkins,Docker, Swagger, JUnit, Karma, Jasmine, log4j.**

**Client: MACTECH IT SOLUTIONS,INDIA. May 2010– Sep 2011**

**Role: Jr. Java Developer**

**Description:**This system provides Patient Administration, Billing and Pharmacy Management functions for the hospital. The Major function of this system is to provide and share the patient health records and access with other insurance companies through SOAP services.

**Responsibilities:**

* Involved in gathering and analyzing system requirements.
* Front-end is designed by using **HTML, CSS, JSP, Servlets, JSTL, Ajax and Struts**.
* Used **JavaScript** for the web page validation.
* Developed the Training and Appraisal modules using **Java, JSP, Servlets and JavaScript.**
* Developed UI using **java swings.**
* Created tables, views, Types, triggers, complex join queries, **stored procedures,** and functions and modifications to existing database structure as required for addition of new features
* Involved in Designing the Database Schema and writing the **complex SQL queries.**
* Designing and establishing the process and mapping the functional requirement to the workflow process.
* Accessed stored procedures and functions using **JDBC Callable statements**.

**Environment:Java, Jdk 1.3, J2EE (JSP, Servlets, EJB), JDBC, Apache Tomcat, oracle, HTML, DHTML, SQL and JUnit.**