Sivanaga G
571-346-2112
sivagatiganti@gmail.com

PROFESSIONAL EXPERIENCE:

- **8+ years** of experience in **development** and **implementation** of **Web-based Client-Server** applications using **Java** and **J2EE** technologies.
- Working knowledge in multi-tiered distributed environment, **OOAD** concepts, good understanding of Software Development Lifecycle **(SDLC)** and familiarity of Service Oriented Architecture **(SOA).**
- Proficient in OOAD Technologies developing Use Cases, Activity diagrams, Sequence Diagrams and Class diagrams using case tools like **Microsoft Visio** and **Rational Rose**.
- Experience in developing Web based GUI's using **JSP, HTML, DHTML, CSS, JavaScript (and its frameworks like JSON), Action Script, DOJO,Node JS, Angular JS, JQuery, EXT JS** and **Ajax.**
- Used **JavaScript** for client side validations and implemented **AJAX** with **JavaScript** for reducing data transfer overhead between user and server.
- Expertise in application development using **JSP**, **Servlets**, **JDBC**, **JNDI**, **Spring**, **Hibernate, JSF, EJB2.0/3.0**, **XML**, **Web Services**- **SOAP**, **WSDL**.
- Experience with Databases like Oracle, IBM DB2, MYSQL,Lucene, Elastic Search, JVM Tuning, ETL, SQL SERVER, JDBC etc.
- Expertise in XML and related technologies like **XSL, XSLT, XPATH** and parsers like **JAXP (SAX, DOM) and** JAXB.
- Expertise in implementing **Web services** and **JMS** for the synchronous and asynchronous communications between two applications running in different servers.
- Expertise in designing and developing enterprise applications using **J2EE** technologies like **EJB2.1/3.0, Struts 1.2/2.0,Spring 3.0** and **4.0, JDBC, JNDI,JMS,JAXB, SAX/DOM, Web services**.
- Expertise in design patterns including Front Controller, Data Access Object, Session Facade, Business Delegate, Service Locator**, MVC,** Data Transfer Object and Singleton.
- Good experience in **Spring** modules like **Spring AOP, DAD etc**.
- Implementing **Spring** aspects for logging cross cutting concern.
- Strong working experience Object Relational (ORM) mapping tools like **Hibernate** (Hibernate Connection Pooling, **HQL**, Hibernate Caching, Transactions).
- Automate report generation in Mongodb using java script and shell scripting
- Experienced in the functional usage and deployment of applications in **JBoss, Web Logic, Web Sphere and Apache Tomcat.**
- Expertise in Web Services architecture in **SOAP** and **WSDL** using **JAX-RPC**.
- Expertise in **XML** and related technologies like **XSL, XSLT** and parsers like **JAXP (SAX, DOM)** and **JAXB** Experience in **Database Design, Creation** and **management of Schemas**, writing Stored **Procedures**, functions, **Triggers, DDL, DML SQL** queries. Experience in writing **SQL** and **PL/SQL** programming.
- Involved in building and deploying Apache **ANT/ MAVEN** scripts for deployment and customizing **WAR/ JAR** file management for web applications.
- Well experienced in using **JUnit** for performing unit-testing framework.

- Extensive experience in testing on multiple operating systems including **UNIX**, **Sun Solaris**, and **Windows**. Experience in developing **crystal reports**.
- **Worked on Apache Lucene** project. Its major features include **full-text search**, hit highlighting, faceted search, real-time indexing, dynamic clustering, database integration, NoSQLfeatures[1] and rich document (e.g., Word, PDF) handling
- Expertise in using configuration management tool like **CVS and GIT** for version controlling.
- Expert in Various **Agile** methodologies like **SCRUM, Test Driven Development, Incremental and Iteration methodology** and **Pair Programming** as well as implementing **Waterfall model.**
- Experience in version control tools like **CVS, SVN** and **AccuRev** to manage and control software development.
- Having good knowledge on **SCALA.**
- Determining what **Elastic Search** queries produce the best seaech experience
- Improving performance and scalability of an existing **Elastic Search** app
- Highly motivated team player with strong communication, analytical, documentation and organizational skills.

TECHNICAL SKILLS:

J2SE Technology	: Multithreading, Reflections, Collections, Serialization, Networking, Beans
Middleware Technology	: JMS, MQ Messaging, Tibco, Solace, Active MQ
J2EE Technology	: Servlets, JSP, Tag Libraries, JDBC, JNDI
Architecture & Framework	: MVC, Struts, Spring, Hibernate, OSGI
Database	: Oracle 10g, 11g, SQL server 2005/2008, MySQL
IDE	: Eclipse, My Eclipse, NetBeans
Operating Systems	: Windows 9x/NT/XP/2003/7/8, Linux, UNIX
Web/App Servers	: WebLogic, Web Sphere, Tomcat, JBoss, Apache
GUI	: HTML5, XML, XSD, AJAX, JavaScript, Node.js,Angular JS, JQuery, CSS3
Query Languages	: SQL, PL/SQL
Programming Language	: C, C++, Java, J2EE
Script	: PHP, Shell
Design patterns	: MVC3, Business Delegate, Business Object, Value Object, Front Controller, Database Access Object, Factory, Singleton, Session Facade**.**
Tools	: Maven, ANT, Log4J, JUnit, TOAD, SoapUI 4.0.5, JUnit, Rational Rose, Visio

PROFESSIONAL EXPERIENCE:
Client: ICF International, FairFax, VA
Role: Sr. Java Developer   **Jan 2016- till date**

Project Title: Children Welfare Outcomes (CWO)
Child Welfare Outcomes Reports provide information on the performance of states in seven outcome categories. The Department identified these outcomes prior to the first Child Welfare Outcomes Report in close consultation with state and local child welfare agency administrators, child advocacy organizations, child welfare researchers, state legislators, and other child welfare experts. The outcomes used in the reports reflect widely accepted performance objectives for child welfare practice.

In addition to reporting on state performance in these outcome categories, the Child Welfare Outcomes Reports also include data on contextual factors and findings of analyses conducted across states. Data for most of the

measures in these reports come from the Department's two national child welfare-related data systems-the National Child Abuse and Neglect Data System (NCANDS) and the Adoption and Foster Care Analysis and Reporting System (AFCARS).

Responsibilities:

- Participated in requirement gathering and framework implementation sessions through Agile TDD methodology.
- Used Grails Framework for designing the layout of the application in MVC pattern
- Client pages are built **using HTML, CSS, JSP, javascript/JQuery.**
- Worked on **Groovy and Grails Tool Suite(GGTS)** for developing the legacy applicaion.
- Integrated the Front End code at Back End with Groovy and Grails in IDE.
- Used **Gradle** for build framework and Jenkins for continuous build system
- Involved in creating the Hibernate POJO Objects and mapped using Hibernate **Annotations**.
- Implemented Audit History and Annotations for Views and Messages
- Worked on Angular JS, Used its two way data binding to achieve the feedback functionality from the user
- Proficient in using **SVN** for Version Control.
- Worked as a **Groovy and Grails** developer for this Project
- Used **Microsoft Visio** for designing the **Use Case Diagrams, Class model, Sequence diagrams, and Activity diagrams** for SDLC process of the application.
- Implemented **GUI pages** by using **JSP, HTML, CSS, JavaScript**, **and AJAX.**
- Implemented the project by using **Spring Web MVC.**
- Tested and implemented the Web Services by using **SOAP UI** tool.
- Developed a GUI to help to read the logs generated by the scripts, the logs were saved in mongodb, the GUI was created using flask, D3, jquery, tablesorter.js, REST web services.
- Implemented the online application by using **Core Java**, **JSP, Servlets, Web Services, SOAP, and WSDL.**
- Implemented **Singleton, factory design pattern, DAO Design Patterns** based on the application requirements.
- Tested the Service classes and DAO Classes by using Unit Test Cases
- Installing PAAS services shift and Cloud Foundry on High available Openstack setup and also in Amazon Web services.
- Worked on keysrone in **OpenStack** where Identity Service provides authorization and authentication for users .
- Worked on glance where the **OpenStack** Image Storage Service (Glance) stores and manages virtual machine images in different formats. These images are used by compute service to provision instances. It's comparable to AWS AMI (Amazon Machine Image).
- Worked on neutron where the **OpenStack** Network Service (Neutron) enables network-connectivity interface devices managed by Compute. It enables users to create and attach interfaces to networks. It corresponds to AWS Networking.
- Defined collections to store data in MongoDB
- Used **REST Web Services** to consume and produce **JSON**.
- Integrated REST Web Services with services and DAO layer.
- Implemented complex queries with **Hibernate** for DAO layer.
- Worked on Ruby on Rails different versions to make them compatible accordingly required for project on windows

- Design and developed UI screens using Angular JS, JavaScript, HTML5 and CSS3.
- Monitored the error logs using Log4j and fixed the problems.
- Primarily using Node.js, Mongodb, Handlebars.js and npm packages to integrate new functionality and maintain previous code.
- Created Java J2EE application to View Data in MongoDB
- Fixed various existing UI's to meet the new design (**VDL**) standards.
- Implemented some **Javascript** validation to existing functionality.
- Implemented Service Oriented architecture models for Integrating various Cloud Applications
- Actively involved in code reviews and also in bug fixing.
- Experience with Front-end JavaScript frameworks like Angular JS, Node JS
- Prepared test cases using JUNIT and Node.js.
- Implement modules into Node JS to integrate with designs and requirements.
- Developed real time tracking of class schedules using Node JS (socket.io based on socket technology, Express JS framework).
- Integrated front end code with back end in JSP pages.
- Worked on Node.js responsible for managing the interchange of data between the server and the users
- Created Domains,Controllers,Views and Service layer for the pages in the application.
- Responsible for coding, testing and documenting various packages, procedures, and functions for libraries.
- Worked on JAVA SE 8 which is compatible with Grails 2.5.3 version.
- Worked on Apache **Cassandra** it is an open source distributed database management system designed to handle large amounts of data across many commodity servers, providing high availability with no single point of failure.
- Managed and Monitored **Cassandra** by Java Management Extensions (JMX).
- Created a **queue manager**. manages the resources associated with it, in particular the **queues** that it owns. It provides **queuing** services to applications for Message **Queuing** Interface (MQI) calls and commands to create, modify, display, and delete **WebSphere MQ** objects
- Configured **WebSphere** resources like JDBC providers, JDBC data sources, connection pooling
- Prepared Documentation for the Project requirements and Application development.
- Used **VAGRANT**(virtual machine) for developing the application in virtual machine.
- Responsible for testing the controllers with Unit Test Cases and to test the Service layer using Integrated Test Cases.
- Used **MYSQL** as a database.
- Worked with JBOSS fuse Apache AMQ by creating queues and topics and also like searching and deleting contents of the Queue
- Deep understanding of information retrieval concepts, especially using tools such as Elasticsearch
- Integrated Java and Angular based application to **Elastic Search** tier via Spring 4 Restful Controllers communicating to a custom java utility wrapping the Jest API.
- Code and developed custom **Elastic Search** Java based wrapper client using the "Jest" API. To facilitate common access, to **Elastic Search.**
- Coded java based ES Queries and custom ES Query aggregations using the Jest API for searching and accessing data in **Elastic Search.**
- Expertise in XML and related technologies like **XSL, XSLT, XPATH** and parsers like **JAXP (SAX, DOM) and** JAXB.
- Worked on **XPATH** to search particular elements or attribute with matching patterns.

- Experience with Databases like Oracle, IBM DB2, MYSQL, **Lucene**, Elastic Search, JVM Tuning, ETL, SQL SERVER, JDBC etc.
- Developed Presentation layer components comprising of JSP, PERL,**Lucene**, Elastic Search, JVM tuning.
- Involved in making some static changes of the old application of CWO which is build on Ruby and Rails.

Environment: Java, Groovy J2EE, Javascript, HTML5, CSS3, Angular.js, Spring, Hibernate, Grails, REST, JQuery, AJAX, ExtJS, JavaScript, JSP, SERVLET, Mysql DB, Oracle, CRUD, PL/SQL, JDBC, Node Js, MongoDB, UML, Intellij, Junit, Gradle, Froq, Sequel Pro, Tomcat, Agile.

Client:Zions Bank, Salt Lake City, UT   **Feb 2014 – Dec 2015**
Role: Java Developer

Project Description: Zions Bank is one of the nation fastest growing commercial banking organization providing personal financial, small business and corporate banking services. Worked on implementation of online account management system that provides secure online access to customer accounts and keeps track of daily account activity like withdrawals, deposits, payments, and trades. Credit report monitoring is a part of this application allowing customers to monitor their credit report and receive alerts about the credit report. The application also provides customers with online account transfers

Responsibilities:
- Responsible for writing J2EE compliant java code for application development effort which involved working with **JSP, Servlets, JDBC, XML, EJB**, etc.
- Design and Development of Objects using Object Oriented Design in Java.
- Preparing the migration document for migrating application from Struts to Spring and Responsive web designing the application
- Develop the changes using **JSTL, JQuery, JCP, JSP, Spring MVC, Spring IOC, Spring JDBC, Web services**
- Configure beans in spring configuration file with **Spring IOC, Spring AOP** concepts.
- Experienced in developing **SOAP-based Web Services and Web Service Clients (JAX-WS, SOAP, WSDL and JAXB)**
- Worked on **XML** Technologies like XML Parsers, **JAXB** for binding data to java objects
- Developed the Spring AOP Programming to configure logging for the application
- Implemented **JMS** for notifications and testing with **JUnit, Mock cases**.
- Wrote **JUNIT** Test cases for Spring Controllers and Web Service Clients in Service Layer using Mockito
- Configured **Hibernate** second level cache using **EHCache** to reduce the number of hits to the configuration table data
- Founded and developed usenet news text message archive search system for legacy usenet messages using PHP5, JAVA,**SOLR**, Apache, MYSQL.
- Highly motivated and committed Devops Engineer experienced in Automating, Configuring and deploying instances on AWS, Azure and Rackspace cloud environments and Data centers, also familiar with EC2, Cloud watch, Elastic IP's and managing security groups on AWS.
- Working as part of DevOps Team for different internal automation and build configuration management.
- **SOLR** implementation also used faceting, highlighting, custom relevance through dismax, and custom performance configurations.
- Coded custom data mappings and data analyzers for multiple elastic indices
- Translating business requirements into a **Elastic Search** implementation
- Providing advice regarding analyzers, tokenizers and **Elastic Search** mappings

- Designed and developed RDD Seeds Using **Scala** and cascading.
- Developed ETL parsing and analytics using Scala/Spark to build a structured data model in Elastic Search for consumption by the API and UI.
- Gathered functional requirements with proper documentation for the order management subsystem in WCS.
- Extensively used IBM Rational Application Developer (RAD) for developing, testing, and deploying applications in WCS.
- Extensively used IBM Rational Application Developer (RAD) for developing, testing, and deploying J2EE applicationsin WCS.
- Developed the application using Ruby on Rails frame work.
- Worked in Pivotal Cloud Foundry Environments and Application deployment using Cloud Foundry
- Designed the application by implementing Struts based on **MVC Architecture**, simple **Java Beans** as a Model, JSP UI Components as View and Action Servlet as a Controller
- Responsible for Load the required data in to MarkLogic of database using MLCP(MarkLogic Content Pump) from the source systems and setting up triggers to fire appropriate action based on the document load.
- Responsible for setting up new environments, by setting up Mark Logic databases, App servers, Triggers and maintaining the development environment. Creating necessary indexes and setting up configurations based on MarkLogic recommendation for optimum performance. Deploying metadata and XQuery files to appropriate nodes.
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- Developed Web logic container security components for adding vendor specific Security Realm to application using **JMX**
- Used AJAX in suggestive search and to display dialog boxes with JSF and DOJO for some front end
- Involved in developing the UI panels using JSF, XHTML, CSS, DOJO and JQuery
- User help tooltips implemented with Dojo Tooltip Widget with multiple custom colors
- Creation of scripts for generation of reports. Implemented test cases for Unit testing of modules using **TestNG**
- Worked on server side programming with **Servlets.**
- Used **Scala** as Object oriented for developing an application.
- Experience in designing **MarkLogic** project architecture for new initiatives and enhancements to build scalable, high-performance systems in **MarkLogic** Server
- Have extensive experience in building and deploying applications on Web/Application Servers like Apache **Tomcat**
- Woked on **JIIRA** for bug tracking.
- Experienced in Performance Tuning, Load Balancing and optimization of **WebLogic** Application Server
- Used **JMS** with **Web Logic** Application server
- Used Junit to run Cucumber feature and scenarios and generating report daily basis
- Working with Java to use Selenium-WebDriver API library to write automation scripting with Cucumber Feature and Scenario.
- Installed and configured on Oracle ATG Environment.
- Involved in migration from ATG 9.1 modules to ATG 11.1
- Created ATG Rest service components for initialization service call which return Repository Items like insinuation flags, club code item and order history.

- Usage of Vagrant to implement environment for **microservices** deployments and testing in Docker images
- Created computing and data resources on AWS using EC2. Installed Pivotal Cloud Foundry on EC2 to manage the containers created by PCF. Used Docker to virtualize deployment containers and push the code to EC2 cloud using PCF. Used SpringCloud Boot and Netflix OSS for **Microservices** Development.
- Extensively involved in ATG Dynamo Framework,ATG Servlet Beans,ATG Repositories
- Integrate the dynamic pages with Angular JS and jquery to make the pages dynamic
- Work on designing specific programs efficiently through knowledge of **multithreading** using the Pthreads API with the goal of increasing performance on a wide variety of applications
- Involved Java **Multithreading** to cascade multiple changes on multiple records in only one transaction and developed a batch process framework.
- Implemented application level persistence using **Hibernate** and **spring**.
- Developed user interface using **JSP, HTML, XHTML, XSLT and Java Script** to simplify the complexities of the application.
- Used some case diagrams for Working on **ordering** and **billing** system in J2EE.
- Highly skilled in using Version Control Management tools like SVN, CVS, and **GIT**

Environment: JSP, JQuery, JSON, Spring IOC, Spring MVC, Spring AOP, Spring ORM, JAXB, XML, JAX-WS, Cloud foundry,SOAP Web Services, RESTful web services, JMS, MDB, Hibernate, JMX, , JUnit, Maven, GIT, Oracle, Tomcat, WebLogic

Client: level 3, Denver, CO   **Nov 2012-Jan 2014**
Role: Java Developer
Project description:
Level 3 Communications is an American multinational telecommunications and Internet service provider. My team provides business intelligence, and mobile CRM solutions for sales and marketing team. It offers CRM solutions for sales and marketing automation, business analysis, front and back office integration, mobile CRM, and more; business analytics solutions to track and analyze customer relationships, sales leads, market data, and key performance indicators and mobility CRM solutions that work on various devices.
Responsibilities:
- Designed use cases for the Application as per the business requirements.
- Participated in requirement gathering and framework implementation sessions through **Agile** TDD methodology
- Worked closely with the Business/Users team in translating technical requirements into application code
- Developed web layer using **Struts** framework to manage the project in **MVC** pattern.
- Implemented integration of Struts **Action classes** in Presentation Tier
- Used **StrutsTiles**Framework for designing the layout of the application.
- Client pages are built using HTML, CSS, JSP, **javascript**/**JQuery**
- Extensively used Core Java such as **Exceptions,** and **Collections**
- Used JSTL and developed required tiles and tile definitions for templating and defined configuration in the struts configuration.xml.
- Developed helper classes, delegate classes, value objects to access business tier and transfer the information from business layer to the presentation layer.
- Developed business layer using **EJB** stateless session beans and deployed on the Application server (Web logic).
- Used Hibernate as persistence framework for **DAO** layer to access the Oracle10g database.

- Produced **SOAP** web services using Metro JAX-WS RI for building the business application layer.
- Performed Tuning, Load Balancing and optimization of **WebLogic** Application Server
- Defined XML documents for input and output sources of Web Services. Created schema documents for XML validation and developed **XML** schemes
- Developed unit test case scenarios for thoroughly testing ETL process and shared them with testing team.
- Involved in creating tech specifications for the ETL process based on mapping document.
- Used **Maven** for build framework and Jenkins for continuous build system
- Worked on ATG REST Services, Configured REST module and Customized rest Security Configuration and filtering Configuration to Define New Service Components.
- Worked on **Eclipse** for development and deployment of application in **Web Logic** Application Server.
- Responsible for coding, testing and documenting various packages, procedures, and functions for libraries.
- Proficient in using SVN for Version Control.
- Actively involved in code reviews and also in bug fixing.

Environment: Java, JSP, JavaScript, Ajax, JQuery, Ant, Struts, Spring, and Hibernate, RSA, WebSphere Application Server, DB2, XML, LDAP, Accurev, JUnit, and Windows2000.

Client: McKesson, Alpharetta,GA   **Nov 2011-Oct 2012**
Role: Java/J2EE Developer
Project Description:
This system provides Patient Administration, Billing Management functions for the hospital. The major functions of Administration module are Allocating Registration, Recording Personal Details, assigning Insurance Details, Retrieving Patient history records from other hospitals. The Billing module allows Billing and receivables, looks into multiple modes of Payment and Rates Definition for Services.
Responsibilities:
- Actively participated in meetings with Business Analysts and Architects to identify the scope, requirements and architecture of the project.
- Followed **MVC model** and used spring frameworks for developing the Web layer of the application.
- Developed application **using Spring MVC, JSP, JSTL and AJAX** on the presentation layer, the business layer is built using spring and the persistent layer uses **Hibernate**.
- Developed User Interface and web page screens for various modules using JSF, JavaScript, and AJAX using RAD.
- Data Operations are performed using **Spring ORM** wiring with **Hibernate** and Implemented Hibernate Template and criteria API for Querying database.
- Developed interfaces and their implementation classes to communicate with the mid-tier (services) using **JMS**.
- Worked on **ordering** and **billing** system in J2EE.
- Extensively used JavaScript to provide dynamic User Interface and for the client side validations.
- Used AJAX framework for asynchronous data transfer between the browser and the server.
- Extensively used **Java Multi-Threading** concept for downloading files from a URL.
- Used J2EE design patterns like Front Controller**, MVC, Business Delegate and Session Facade**.
- Write front end code for developing new pages using **HTML, CSS, JavaScript, and JQuery**.
- Involved in preparing Ant builds scripts (**XML** based), **deployments**, **integration** and configuration management of the entire application modules.

- Used spring, Hibernate module as an Object Relational mapping tool for back end operations over SQL database.
- Developed the business components using EJB Session Beans.
- Involved in Database design for new modules and developed the persistence layer based on Hibernate.
- Implemented the **J2EE** design patterns **Data Access Object** (DAO), Session Façade and Business Delegate.
- Developed unit test cases using **JUnit** and **Log4j** for logging.

Environment: Java, J2EE, spring, Hibernate, JSP, Eclipse 3.3, WebLogic, Maven, JUnit, CVS, CSS, HTML, XML, XSD, JavaScript, Oracle10g and Windows2007

Client:Mplex Networks, India   **June 2009-Oct 2011**
Role: Java Developer
AerolexCablenet was engaged in the business of Multi System Operation {(MSO meaning a company in the business of transmission of Cable Television Signal Provision (CATV)} and Internet Service Provider (ISP) through cable (Broadband ISP). The maintenance of the website and the customer information portal was the important task.

Responsibilities:
- Implemented the project according to the Software Development Life Cycle (SDLC)
- Developed the web layer **using Spring MVC framework**.
- Implemented JDBC for mapping an object-oriented domain model to a traditional relational database.
- Created Stored Procedures to manipulate the database and to apply the business logic according to the user's specifications.
- Involved in analyzing, designing, implementing and testing of the project.
- Developed **UML diagrams like Use cases and Sequence** diagrams as per requirement.
- Developed the Generic Classes, which includes the frequently used functionality, for reusability.
- Exception Management mechanism using Exception Handling Application Blocks to handle the exceptions.
- Designed and developed user interfaces **using JSP, Java script, HTML and Struts framework.**
- Involved in Database design and developing SQL Queries, stored procedures on **MySQL**.
- Developed Action Forms and Action Classes in **Struts** frame work.
- Developed and maintained front end applications and web applications for ecommerce.
- Programmed session and entity EJBs to handle user info track and profile based transactions.
- Involved in writing JUnit test cases, unit and integration testing of the application.
- Developed user and technical documentation.

Environment: JAVA, Java Script, HTML, JDBC Drivers, Soap Web Services, UNIX, Shell scripting, SQL Server

Client: Honda Motors, Hyderabad, India   **July 2007 - May2009**
Junior Java Developer

Honda Motor India (HMI), a wholl0y owned subsidiary of Honda Motors, has zeroed in on Servigistics Service Parts Management to reduce inventory and increase demand satisfaction across India. The new solution will enable

the company to handle multiple layered locations and to minimize excess by enabling transfers between locations. Once implemented, the solution is expected to increase planner efficiency and decrease delivery lead time to dealers across India by improving part availability.

- Developing End-User friendly GUI using **JSP, HTML, DHTML, Javascript& CSS**
- Implemented **MVC design** pattern using **Servlets, Java Beans and JSP**.
- Used various Core Java **collections framework** (JDK1.5) to build up application
- Applied **OO Programming** concepts like Polymorphism and Inheritance to improve the existing Java/JEE based code base. Applied design patterns like **Factory pattern, Singelton and DAO** effectively.
- Involved in maintenance and enhancement of the application
- Writing complex & cross browser Javascript to validate the web pages
- Analyzed and documented the business requirements of the customer
- Prepared **Junit** test cases for the application

Environment: JAVA/JEE, JSP, Servlets, JavaScript, Oracle9i, Log4J, JBoss

Education Details : Bachelor's degree in Computer Science Engineering from JNTU.