

Rajesh Gupta

Web Developer - Google Inc

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WORK EXPERIENCE

Web Developer

Google Inc - Mountain View, CA - September 2011 to Present

Project: Supply Chain Portal

SCP(Supply Chain Portal - a central web portal location for all users to view transact, and track all material transactions in Oracle), Inventory Portal (a module in SCP to track the inventory activities). For SCP i worked on GIG Capitalization and Project Close which involves automated capitalization of sales orders on Mdb turn up signals and automated capitalization of material sitting in the Data center sub-inventories on project close. Project close request is initiated by a planner/Supply chain controller. This in turn triggers capitalization of sales orders to flush the inventory into fixed assets.

Inventory Portal is about managing the inventory and all the related activities and generating reports based on the inventory data(Inventory Summary, Inventory Report, Consumption Report, PO Extract Report, In-Transit Report).

In addition to these worked on AutoCap Processing Service which captures the turn up signals from another service that is Asset Data Repository (ADR) processing engine service and save them to the Oracle database and kick off other processes in Oracle.

- Worked on Google Stubby Services to create the AutoCap Service which is an asynchronous service.
- Written Google Stubby Client to consume the AutoCap Service.
- Used Generic Object Pool to maintain the db connection pool which is used to insert the thousands of live turn up signals per night in Oracle db.
- Written borg (the deployment instructions) file for the Autocap service to deploy on borg(cluster of thousands of machines) machine.
- Written BUILD file for the stubby services to create the executable binary and resource packages, packages that will hold the executable binary. These packages were used for deployment on borg.
- Implemented Project Close UI using html, css, JSP, javascript, jquery, jstl.
- Implemented the search functionality on the Project Close UI to search for the Projects to close which includes the project suggerter mechanism and filtering on the suggerter with each typing letter in the text box using ajax, javascript, jsp, jstl.
- Implemented Project Close UI functionality to receive and send response using xwork, java, jdbc, oracle.
- Worked with stored procedures, to call the oracle API for getting the projects, initiating the project close, and then getting status of different types of orders under that Project.
- Used cursor to get output from the stored procedures and then map the output to DAO and pass it on to the UI.
- Externalized the db properties file in Inventory Portal to make it more stable and to avoid the build again and again after changing the db information.
- For externalizing the db properties modified the Inventory Portal Factory Service to override the system preferences with perferences from the externalized file.
- Written Pool Manager for the pooled connections to use in the Inventory Portal.
- Used jQuery CSS selectors, toggles, hover functionality.

- Used jsbeautifier, jsonlint(for formatting and validating json data), jslint online tools to format and validate js files.

Environment: Java/J2EE, JavaScript, JSON, Ajax, JQuery, HTML, CSS, XML, Web-services, Google Stubby Services, Ubuntu, Oracle, GSE (Google Servlet Engine), Perforce, Eclipse, IntelliJ, Notepad++.

UI Developer

Cisco Systems - San Jose, CA - April 2010 to September 2011

Project: CCW - Cisco Commerce Workspace

Cisco Commerce Workspace provides a common, collaborative workspace for Cisco and their partners to manage opportunities. By consolidating processes and tools, Commerce Workspace allows partners to register deals, to create quotes, to collaborate with Cisco and to access promotional and special pricing all from one place. The combination of deal registration, configuration, quote and order in one common workplace will allow US/Canada 1-tier partners to use the end-to-end functionality of Cisco Commerce Workspace. Configuration track is responsible for creating a configuration set (user can create a configuration set by choosing different products from Cisco, select services and subscriptions for those products) and then that Configuration set can be converted directly into Order.

- Working in Config team on the Config UI of the CCW application.
- Working on Localization of the application using Custom Tags in JSP, and Slim framework(used for getting the localized string).
- Actively involved in the technical design discussion for the UI implementation and worked on preparing the Technical Design Document.
- Upgraded the JQuery version from 1.2.1 to 1.4.2 for the whole Config UI application.
- Working on new application of Config - Solution UI which will be used to configure the Bundle Products from Cisco (Blade Servers, Chassis, Switch) using JQuery 1.6.
- Worked on JQuery modal windows to show the configuration errors, warnings, and to change services and subscriptions for the products, and implemented cross browser shadow for them.
- Implemented the live(new for the changed version of JQuery) method to improve the performance and to avoid the bind/unbinding issues on the UI
- Extensively used JQuery for making Ajax calls and handling JSON object.
- Extensively used JQuery Templates to create the UI on the Fly using the JSON data Object.
- Consuming SOAP web services for creating and saving the Configuration that can contain (Products, Services and Subscriptions).
- Extensive work on JSON to transfer data between the UI and the services layer.
- Worked Software Subscription Renewal Test UI using JTemplates, JQuery, JSON, backend was implemented using JSF.
- Used JQuery CSS selectors, toggles, hover functionality.
- Used jsbeautifier, jsonlint(for formatting and validating json data), jslint online tools to format and validate js files.
- Working on cross track Search UI for searching the Products in CCW, using JSF, JQuery, JTemplates.
- Working with XML to handle the Configuration Set using Web Services.
- Working on simplification and performance of the Config UI.

Environment: Java/J2EE, JavaScript, JSON, Ajax, JQuery, HTML, CSS, XML, Web-services, Axis2, Unix, Oracle, JBoss, WebSphere Application Server, CVS, Eclipse, Notepad++.

UI Developer

IBM - Manhattan, NY - October 2009 to April 2010

Project: MSSB BWF (Morgan Stanley Smith Barney Branch Work Flow)

International Business Machines (IBM) is a multinational computer, technology and IT consulting. IBM offers infrastructure services, hosting services, and consulting services. IBM is implementing Branch Work Flow for Morgan Stanley Smith Barney wealth management firm. Morgan Stanley and Smith Barney are recently merged to create a new firm. IBM takes into account all the business needs of MSSB, and thus providing them online intranet solution for their Branch Work Flow. MSSB BWF is role based solution that takes into account the user roles. MSSB BWF provides the capability of managing the reminders/user, create task, open task, claim task, unclaim task, Document Viewer (like signature document), robust document search, task history management, and reconciliation of the task. MSSB also provides the capability of viewing the previous days activity of the user and document viewing from external system. MSSB BWF is build on the top of SOA with WPS. MSSB BWF uses REST web services on the top of SOA architecture to interact with UI which is build using Dojo. On the UI it uses a standard customized framework made using Dojo that uses templated approach to create new customized widgets.

- Involved in the framework design for the whole UI of the application using Dojo.
- Created cross browser UI widget using various Dojo widgets, like Dojo Datagrid, Dijit Dialog.
- Used Dojo's Content Pane, Tab Container layouts to design the framework for the application.
- Worked on Reminder widget for BWF on the dashboard that makes use of various dojo widgets like Dojo Datagrid, Dijit Dialog, Dijit form controls.
- Worked on TaskList widget on the dashboard that shows all the created tasks for a particular user in Dojo Datagrid.
- Customized Dojo Datagrid to show images and buttons on the Grid using Dojo Datagrid formatters.
- Worked on Search Document, Task History, Reconcile Widget that involves the use of dijit form and form controls, Dojo Datagrid, dijit Content Pane, and dijit Dialog.
- Used Dojo xhrGet, xhrPost, xhrPut, xhrDelete to perform the CRUD operation on Reminder widget, and Search Document Widget.
- Implemented Dojo file upload with dojo iframe to upload documents from Associated Documents Widget, and customized the dojo datagrid on the same to show the documents are associated or not and user can associate documents with a task on the fly with provided UI of dojo datagrid.
- Involved in writing JavaScript code to populate form fields from BO and vise versa.
- Consumed REST web services on the Dojo UI to populate and submit data from UI.
- Extensively used JSON to transfer data between the UI and the services layer.
- Extensively used Dojo ItemFileReadStore, ItemFileWriteStore, QueryReadStore with dojo datagrid and FilteringSelect.
- Extensively used CSS to modify the look and feel of the dojo Grid according to the business requirement.
- Worked on Document Viewer widget that displays more than one documents in the dojo split container.

Environment: Java/J2EE, WID 6.2, Websphere Process Server, JavaScript, JSON, Ajax, Dojo, IBM DB2, HTML, CSS, XML, Web-services, IBM Rational Synergy.

Lead UI Developer

Kana Software - Menlo Park, CA - February 2009 to October 2009

Project: Raptor - CRM Solution

KANA makes multichannel customer service software solutions. The KANA Suite, which integrates phone, e-mail, Web, chat and collaboration channels with knowledge management capabilities in a unified application. KANA is developing a next-generation customer service solution with IBM, called Service Experience Management. SEM begins with the notion that if you can imagine the customer service process you want, you

ought to be able to make it real without reliance on web designers, IT folks, and code customizations. SEM ends the technology barriers between our customers and their vision for great service. SEM also delivers the capacity to use information, skills and services from across the entire enterprise landscape. SEM is built on top of a SOA (service-oriented architecture) framework and SOA orchestration so all of our customer's assets can be building blocks to provide best possible customer experience at the lowest cost to the organization.

- Worked on Form-designer module which is built on top of wavemaker studio.
- Created cross browser UI widget using various wavemaker/Dojo widgets.
- Used Dojo's various container layouts to design the form-designer.
- Integrated form-designer with other designer's like experience flow designer.
- Involved in writing extensive JavaScript code to populate form fields from BO and vice versa.
- Created Java web services to call the backend data services.
- Extensible work on JSON to transfer data between the UI and the services layer.
- Worked on the Find Entry and Search Entry Designer Using jQuery JavaScript library.
- Used jQuery CSS selectors, toggles, hover functionality.
- Implemented jQuery Ajax, Json support in Experience flow Designer.
- Worked on creating Search widget and wrote Java services for search and the find widgets.
- Worked on creating Inbound and Outbound Email widget and Email Service.
- Worked on creating Human Steps and Automated Steps using Java, POJO and XML.
- Created web Services using Axis2 API.
- Worked on creating Step definition based upon the user stories and user scenarios (UML Diagrams).

Environment: Java/J2EE, WID, Websphere Process Server, IBM WMB6.1, JavaScript, JSON, Ajax, Dojo, wavemaker, IBM DB2, HTML, CSS, XML, Web-services, Axis2, Linux, Perforce

Tech Lead UI

Cloud9 Analytics - San Mateo, CA - May 2008 to January 2009

Cloud9 delivers business performance applications as a service. This suite of collaborative analytic solutions support and accelerate customer-facing business functions. Cloud9 Analytics is developing an On-Demand Sales Performance Management Application for Salesforce.com customers. This Software-As-a-Service (SaaS) offering, delivers role-based, interactive, analytical dashboards including - Advanced Pipeline Analytics, Sales Effectiveness Analytics and Triangulated Forecasting Analytics. We help Sales Executives and Managers better manage their pipeline, perform improved and more accurate forecasting and drive sales team performance.

- Used Agile development lifecycle of analyze, design, develop, test, is repeated on a feature by feature basis.
- Used GWT to develop and maintain complex UI JavaScript in Java.
- Created various dynamic dashboards using GWT.
- Implemented and maintained Ajax calls using GWT.
- Worked in fast moving product development team of 2 weeks sprint cycle.
- Worked on the Service Layer in Groovy.
- Implemented the Builder Pattern to create various dynamic Dashboard and widgets by fetching data by the Data Access layer.
- Used Node Builder, which provides a convenient way to build hierarchical data models.
- Used Markup Builder to create XML file to send it to the presentation layer.
- Used various Groovy XML parser XmlParser and XmlSlurper classes to read XML files
- Generated Excel and PDF views for the reports using third party libraries and tools and made use of JFreeCharts, iText API.
- Used spring's Hibernate DAO support for database access.

- Created unit test cases for the various Dao's.
- Was responsible to push the build into DEV and Production environment (Linux) after ensuring the success of unit test cases.
- Interacted with the marketing team to configure environment and also helped them to prepare demo of the product.
- Created Page layouts, custom S-controls, Custom links for the application on salesforce.com
- Loaded and registered the application with the App-Exchange on salesforce.com and also involved in the documentation for the sales and marketing team.
- Independently designed and coded a fully functional testing tool using Http Unit framework to test the product.

This was used for regression testing, load testing as well as multi user and multi session testing.

Environment: GWT, Groovy and Grails Framework, JDBC, J2EE, Tomcat Server, Oracle, Java, HTML, DHTML, XML, Perforce, Certive Server and Scrum Methodology.

Sr. UI Developer

W3eye Inc - San Ramon, CA - October 2007 to April 2008

Project: BIQ (Benefits and Insurance Quote)

BIQ the Enterprise Portal allows insurance agents to provide automated quotes to clients. This is an effort to implement a new web based benefits and quotation engine for insurance products such as group medical, workers comp, and omissions etc. Once implemented, it will enable insurance agents to track clients and beneficiaries (or receivers of these benefits) both from manageability as well as invoicing point of view.

- Design and Developed the template of the application using HTML, CSS, DHTML, JavaScript and JQuery.
- Implemented the view layer of the application using HTML, style sheets, and JSP, custom tags, tiles framework.
- Implemented calendar, and other UI widgets on different user interfaces using JQuery.
- Used JQuery Dom query's various CSS selectors to navigate through the DOM.
- Extensively used of Event Handling Modal such as Listener and dispatcher in Ajax framework and JavaScript
- Used JSON API to parse JSON to POJO/List and vice versa on server side.
- Implemented the tree structure (for admin to analyze agents information easily) using HTML, CSS, JavaScript, Ajax and XML.
- Prepared the reports in PDF, CSV formats using Jasper Reports.
- Implemented email functionality using Java Mail API.
- Developed port lets (JSR 168 specification) that implement the core functionality of the Portal.

Environment: JQuery, JavaScript, Ajax, HTML, CSS, JDK1.5, Port lets (JSR 168), JSP, Struts 1.1, Hibernate, ANT, XML, SQL Server 2005, JDBC, PL/SQL, Java Mail API, Jasper Reports2.2.4, Liferay, Tomcat.

Alpha Net Technologies Pvt Ltd - January 2007 to October 2007

Project: RSI (Reliable Smart Investor)

RSI is an enterprise application which is developed for online trading company. The application helps them to invest money on behalf of their clients. This application has three modules which will be integrated with each other later. The modules are Employee Information System, Company Snapshot, and Client information System.

This application is smart enough to update the all the details of different clients on the basis of the transactions executed on their behalf.

- Used Agile development lifecycle of analyze, design, develop, test, is repeated on a feature by feature basis.

- Implemented scripting using Ajax to manage callback using Dojo toolkit for updating the component's information on the JSP files without submitting the whole web page to the server.
- Generated Excel and PDF views for the reports using third party libraries and tools and made use of Jasper Reports, iText API.
- Involved with team members in designing template using JSP, HTML, style sheets, and JavaScript, XML.
- Used Dojo for auto complete on text box for searching.
- Used Spring IOC with Struts MVC and in integration of the modules.
- Used Session beans with Entity beans of EJB framework for various database operations.
- Worked on JSP pages for the view layer of the application using struts custom tags and tiles framework.
- Developed web services using Axis API for sending generalized mails to clients.
- Implemented validations using JavaScript and validation framework.
- Used WinCVS for code management.
- Prepared the final build of application using Ant.

Environment: Java, J2EE1.4 (Servlets, Jsp, EJB), Web Services, Spring Framework, Struts MVC, ANT1.6, XML, AJAX, DOJO, Oracle 9i, JDBC, PL/SQL, JavaScript, HTML, CSS, AJAX, Jasper Reports, Web Logic.

Project: TRMgr (Technical Resource Manager)

This is an enterprise application which has two main parts eDocumentation, WebIDE. WebIDE is an online IDE which provides the runtime environment for the java applications online. eDocumentation will provide the online documentation of the Java API. If a user is using WebIDE then he doesn't need to install any java related software on his local machine for executing a java application.

- Involved in making design document and designing UML class diagrams.
- Implemented MVC design pattern in the application.
- Used JavaScript, HTML, DHTML, CSS, JSP, custom tags and tiles framework for designing the view part of the application.
- Used Ajax for saving the programs automatically after regular intervals of time.
- Involved with the DBA team to design the database of the application.
- Involved in Low Level Design and Development of Business Layer & Data Layer.
- Implemented session beans as business objects and entity beans database objects.
- Used MySQL database sever and JBoss Application server for deploying the application.
- Involved in creating the java processes to automatically email end user using Java Mail API.
- Designed the critical functionality of the IDE like building the application which later will use AJAX, and file upload and download techniques.
- Used Ant for compiling and package the application.

Environment: Java, J2EE1.4 (Servlets, Jsp, EJB), Struts1.1 Framework, ANT1.6, XML, MySQL5.0 Database Server, JDBC, PL/SQL, JavaScript, HTML, CSS, YUI, AJAX, Maven, Jasper Reports, JBoss 4.0 Application Server.

Sr. Software Developer

Fin Technologies Pvt. Ltd - November 2005 to December 2006

Project 1: EDPA (Electronic Design Production Automation)

EDPA is an enterprise application which is developed to automate the work flow of the company. This application has three modules which will be integrated with each other later. The modules are Component Information System, Product Design & Development, and Employee Information System. This application will provide ease to employees of the Fin Technologies for managing the information in their different scenarios.

- Involved in designing the final template of the application using HTML, CSS, JavaScript, Adobe Photoshop, and Ajax.
- Implemented scripting using Ajax to manage callback for updating the component's information on the JSP files without submitting the whole web page to the server.
- Helped the team members in UI layer coding using JSP, HTML, style sheets, and JavaScript.
- Involved in coding of all the modules using Spring IOC with Struts MVC and in integration of the modules.
- Involved in developing Message Driven Beans using JMS used in the application.
- Worked on JSP pages for the view layer of the application using custom tags and tiles framework.
- Developed web services using Axis API.
- Used Java Mail API email notifications to the clients.
- Implemented validations using JavaScript and validation framework.
- Used WinCVS for code management.
- Involved in preparing the final build using Ant.

Environment: Java, J2EE1.4 (Servlets, Jsp, EJB), Spring Framework, Struts MVC, ANT1.6, XML, AJAX, MySQL5.0 Database Server, JDBC, PL/SQL, JavaScript, HTML, CSS, AJAX, Web Logic.

Project 2: Mass Emailer

Mass Emailer is windows based tool, which allows user to send emails in bulk and also personalize them accordingly. It manages the contacts, accounts and groups, which further has many import/export options from different modes.

User can choose from the different templates and can also refer its personal template for sending the mails. Also it provides user to personalize the contents and send the mails in bulk to different contacts

- Design Developed User Interfaces using Swings and MVC Framework.
- Designed the optimized Database Mode for the project.
- Implemented the Background Worker using Multi-threading which sends mails in bulk behind the scene.
- Integrated the TinyMCE editor with the application.
- Used XML serialization concepts for saving the mails as drafts.

Environment: Java, Swing, ANT1.6, XML, MySQL5.0 Database Server, JDBC, PL/SQL.

Java Developer

Defacto InfoTech - January 2002 to November 2005

Project 1: SSMgr (Software Solution Manager)

This is a web product, which provides the complete information to the users and technical support to clients. Users can check all prerequisites and compatibilities of any software before installation. Clients can put their queries to get the technical help about the software. Clients would also be intimated about the updates. Users/ Clients can also get the hard copies of the complete information of any software. This application has three modules which will be integrated to each other later. The Modules are User Maintenance, Client Maintenance, and Software Solutions.

- Worked in Agile development team and involved in sprint meetings.
- Used JSP with HTML, CSS, Xml, and JavaScript for UI layer coding.
- Used JSP, custom tag libraries, tiles framework for implementing the view.
- Involved in generating the PDF views of the various reports using Crystal Reports API.
- Worked on the designing and coding of Controllers for all modules in the application using Spring MVC.
- Created DAO and its implementation by using hibernate query language, hibernate mapping, and hibernate inheritance.
- Involved in the implementation of scripting with Ajax to get data from server without refreshing the page.

- Implemented the Spring IOC and Dependency Injection.
- Used web services and Java Mail API for sending email to clients at backend.
- Involved in writing the test cases to test various DAOs.

Environment: Core Java, J2EE 1.4 (Servlets, Jsp), Spring Framework, Hibernate Framework, ANT1.5, XML, MySQL 4.0 Database Server, JDBC, PL/SQL, JavaScript, HTML, CSS, AJAX, Apache Tomcat Web Server.

Project 2: DMS (Document Management System)

This is a web-application designed to automate and synchronize the processes of a general financial agency. This Project has five different modules those are integrated to each other. These modules are LPS (Loan Processing System), CCPS (Compensation Claim Processing System), CDMS (Collateral Document Management System), RRS (Risk Review System), TRS (Trade Reconciliation System). So this for project is for managing the documents of which are required by a general financial agency for all the above processing.

- Involved to create flow of events using sequence diagram (UML) for the Module LPS.
- Participated in application template design using HTML, JavaScript, style sheets.
- Implemented scripting with JQuery, Ajax to manage callbacks for various alert messages.
- Created JSP web pages to display dynamic data obtained through the use of DAO.
- Integrated and developed certain business logics in business layer which map requests to database using Hibernate.
- Extensively used Spring MVC and involved in design, development of Controllers for all modules.
- Involving client side validations using Java Script, and validation framework
- Developed various Reports using Jasper Reports.
- Worked on Ant scripts using Xml for final deployment.

Environment: Spring, Hibernate, Dojo, Ajax, J2EE, Java Server Pages, Oracle 8, Java, HTML, JavaScript, JDBC, and PL/SQL, MQSeries, Web Sphere.

Project 3: Online Survey

This is a web-application for the clients who want to conduct survey with the help of Internet. Using this web-application client can create their own surveys and then publish them on this web application and anyone can visit this web-application to give their responses to their surveys. This application also provides the facility of analyzing the responses of the different surveys to different clients.

- Participated in application framework design, templates, and API's according to UML standards.
- Used Applet for various diagrammatic reports of the surveys.
- Developed JSPs and Servlets using Struts framework.
- Implemented scripting using Ajax.
- Design and developed Controllers for the application using Struts MVC.
- Applied client side validations using validation framework.
- Integrated TinyMCE editor with the application.

Environment: Struts 1.0, Hibernate, Java, JSP, Servlets, Applet, SQL Server 2000, Tomcat web server, HTML, CSS, JavaScript, Ajax, and Junit.

Project 4: Book share (Community Library)

Online Book share is a web application for sharing the books online. The members can submit their collection and can borrow the collection of other members. The books can be borrowed for as much time as the person like and there is no late fee.

- Analysis and Design of the Object models and Design Patterns in various tiers of the application.
- Writing Custom Tags and Custom libraries for Java server Pages (JSP). Custom Tags are used extensively to minimize Java coding in JSP.
- Developed JSPs and Servlets for mentioned modules using Struts framework.
- Created Data Access Object (DAO) which is used to interact with the database.
- Implemented the required Java Beans used by the JSP components.
- Tested the application by writing test cases for different scenarios.
- Created use cases, class diagrams, activity diagrams and collaboration diagrams.
- Utilized CVS as a version control system and for code management.

Environment: Java, JDBC, J2EE1.3 (Servlets and JSP), Struts 1.0, SQL, HTML, CSS, JavaScript, XML, Windows NT, Apache Tomcat, Oracle 8.

ADDITIONAL INFORMATION

TECHNICAL SKILLS

Java Technologies: JSP, Servlets, JDBC, Jasper Reports, RMI, RMI-IIOP, JXTA, J2EE (Servlets, JSP, EJB), JNDI, Java Mail, JMS, JSF, JDO, POJO, Portlets, GWT

Scripting Languages: HTML, CSS, JavaScript, VBScript, XML, XSL, XHTML, AJAX

Databases: Oracle, MySQL, SQL Server, MS Access.

IDE: Eclipse, WSAD, NetBeans, WebLogic Workshop, IntelliJ

Web/Application Servers: Tomcat, Apache, WebSphere, WebLogic, JBoss, Glassfish

Framework: Struts, Spring, Hibernate.

Design Patterns: MVC, DAO, Front Controller, Transfer Object, Factory, Abstract Factory.

Packages / Tools: WinCVS, SVN, RCC, ANT, UML, MS Office.

GUI/ View Tags: Applet, AWT, Swings, Display and custom Tags, CSS.

Testing Tools: Junit, HttpUnit, XMLUnit.

Other Languages: C, C++, VB, PHP.

Operating Systems: Windows NT, XP, UNIX, Linux, Ubuntu