

# Dheeraj Agrawal

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VIC 3161

EXPERIENCE: 8+ years	
SKILLS	EXP (YRS)
Java, J2EE, Struts 1.x (MVC), JavaScript, XML, XSD, XSLT, PL-SQL	8+
Apache Tomcat, Web logic, UML, Oracle, Visio, Junit	7
Spring 3.0 (MVC, AOP, DAO), Hibernate, UNIX Bash and Korn Shell Scripting, JSF 1.0, Linux	6
Java Swing/AWT, AJAX, JQuery, EJB 2.0, Web Service, MS SQL Server, Ant, Maven, RESTful Web Services	3
Adobe FLEX, Mule ESB, Vert.x, Zookeeper, Mockito, Git Stash, AOP, Android API, SOAP UI, Axis API, JQuery-Mobile, Google Web Toolkit. Geo Server 2.x, OpenLayer.js, Storm, Finagle, Redis, Cobertura, D3.js, Node.js, Grunt, Adobe Flex 3.0, C#.net, Project Management, Android ADK, Struts 2, C++, Quartz Job Scheduler	<=2
<b>PROJECT MGMT:</b>	Scrum, Agile, Test Driven Development (TDD) and ITIL
<b>CERTIFICATION:</b>	Sun Certified Java Developer, Insurance Domain Certification

## EXPERIENCE

### Victoria University

Senior Software Developer

09/2013 – Present

	Technologies
<p>➤ Currently working on designing and developing, ESB and SOA based middle tier services and application for synchronizing the data between Callista and Desire2Learn VU portals. Following are the description of the task I have undertaken</p> <ul style="list-style-type: none"><li>• <b>D2L and Echo 360 Integration:</b> Exposing REST API's to synchronize the recording data between D2L and Echo 360 thus making the lecture recordings available in the D2L and VUC portal.</li><li>• <b>Reconciliation:</b> A middle tier functionality to synchronize the student enrollment between Callista and Desire2Learn application.</li><li>• <b>ESB REST API and D2L Backend:</b> Implementing REST service to expose backend functionality of D2L.</li><li>• <b>Active Student Update Job:</b> An automated solution to update the students status from IDM to RightNow</li><li>• <b>Contact Merge and Student Data Load:</b> Mule ESB solution to merge the</li></ul>	Java 7, XML, XSLT, XSD Design Patterns, Shell Scripting, REST, J2EE, Struts 2 Junit, Hibernate 4, MuleESB, Web Services, Soap UI, Mule Studio, Vert.x, Mockito, PowerMockito, Quartz Job Scheduler Linux BASH shell, Ant, RESTful Web Service, Apache Tomcat 7, SCRUM Agile

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<p>duplicate contact information for each student and updating the same to the RightNow application using Web Service calls.</p> <ul style="list-style-type: none"> <li>• <b>Callista Transfer Status Update:</b> An automated solution for updating and viewing an application's Callista (student management portal) transfer status in an Incident from the RightNow CX console to trigger selection workflow.</li> </ul>	
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### Responsibilities

- Attending requirement discussion meeting and creating technical design documents.
- Understanding user requirements and analyzing and designing solutions.
- Analysis and designing a solution based on the requirement give by business.
- Developing, integrating, testing and deploying the solution on the existing architecture.
- Coordinating and supporting with the QA and UAT team for a bug free delivery

## Blueflag Pvt. Ltd.

Senior Software Developer

06/2013 – 09/2013

### ➤ Bigdatr.com.au

A beautiful data visualization tool that consolidates all your business intelligence in one location. Improve your marketing strategies with targeted media spend and full visibility of your competitors. Creative's are analyzed by brand, product and campaign, visually, allowing you to quickly identify competitor activity and strategies. Currently working on parallel computing and distributed processing of high volume data.

### Responsibilities

- Research, Designing and developing high end Twitter Storm topologies for complex computations
- Research, Designed and developed API and framework for creating multiple instances of Twitter Finagle servers in a protocol independent manner.
- Research, Designing and developing API and framework for managing clusters and load balancing using Zookeeper.
- Using Junit and Mockito for unit testing the solutions.

### Technologies

Java 7, XML, XSLT, XSD  
Design Patterns, J2EE  
Spring 3.1 (AOP, MVC, DAO, RESTful services)  
Storm, Finagle, Junit  
Zookeeper, Mockito, Redis, MongoDB  
AspectJ, SVG, d3.js  
Backbone.js, Lodash.js  
Zookeeper, Cobertura  
RESTful Web Service  
MongoUI, Maven, Bamboo, Git Stash, IntelliJ, Microsoft Visio, UML  
SCRUM, Apache Tomcat 7, Jetty

## Dialog Information Technologies

01/2013 – 06/2013

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<p>➤ <b>Bureau of Meteorology (Australian Government)</b></p> <p>The Bureau of Meteorology is Australia's national weather, climate and water agency. Its expertise and services assist Australians in dealing with the harsh realities of their natural environment, including drought, floods, fires, storms, tsunami and tropical cyclones. Through regular forecasts, warnings, monitoring and advice spanning the Australian region and Antarctic territory, the Bureau provides one of the most fundamental and widely used services of government.</p> <p><b>Responsibilities</b></p> <ul style="list-style-type: none"> <li>Contributed in the designing and development of new enhancements.</li> <li>Creating High-level Design and Low-level design from the requirement gathered.</li> </ul>	<p><b>Technologies</b></p> <p>Java 7, J2EE, Spring 3.1 (AOP, MVC, DAO, REST), MySQL, Maven, Ant, Eclipse, MSVisio, UML, Git, ActiveVOS, SOAPUI, Selenium WebDriver, Jenkins, SCRUM, Glassfish, Tomcat</p>
<p>➤ <b>Spatial Data-mart (Land Victoria)</b></p> <p>Spatial Data-mart is a web service application for data distribution. The easy to use system allows you to, search for your spatial data requirements, place orders online, keep track of orders and access orders, either emailed or downloadable depending on size.</p> <p><b>Responsibilities</b></p> <ul style="list-style-type: none"> <li>Creating High-level Design and Low-level design from the requirement gathered.</li> <li>Designing and development of the security roles, email client for public access user to download data.</li> <li>As a part of performance improvement, designed and developed a new Product Exclusion functionality to allow administrator to add remove products to download from FTP.</li> <li>Distribution of work within the team of 3 developers and integrating the their deliveries</li> </ul>	<p><b>Technologies</b></p> <p>JSON, Java 7, Design Patterns, J2EE, Spring 3.1 (AOP, MVC, DAO), Hibernate 4.0, MS SQL Server 2008, Maven, Ant, Eclipse, Microsoft Visio, UML, SVN, Apache Tomcat 7</p>
<p>➤ <b>Victoria Information Network for Emergencies (VINE)</b></p> <p>VINE is a mobile application developed for Fire service commission of Victoria. The mobile application is used to inform the user about the planning, sustaining and recovering from the emergencies, such as fire, flood, storm etc. in the state of Victoria.</p> <p><b>Responsibilities</b></p> <ul style="list-style-type: none"> <li>Contributed in the designing and development of the front end as well as back end modules.</li> <li>Creating High-level Design and Low-level design from the requirement gathered.</li> </ul>	<p><b>Technologies</b></p> <p>JSON, Java 7, JQuery, JQuery-mobile, OpenLayers.js, XML, XSLT, XSD, Design Patterns J2EE, Spring 3.1 (AOP, MVC, DAO), Hibernate 4.0, AJAX MS SQL Server 2008,</p>

<ul style="list-style-type: none"> <li>Distribution of work within the team of 3 developers and integrating the their deliveries</li> </ul>	Maven, Ant, Eclipse, Microsoft Visio, UML, SVN SCRUM Apache Tomcat 7
<p>➤ <b>Water Health Investment Planning (WHIP) - Melbourne Water</b></p> <p>WHIP is an application used to manage the 5 years financial plan for developing and maintenance of water bodies in and across Melbourne region. The application helps the user to plan and create the intents, project and targets with the help on maps.</p> <p><b>Responsibilities</b></p> <ul style="list-style-type: none"> <li>Working on the client location for requirement gathering and coordination.</li> <li>Creating High-level Design and Low-level design from the requirement gathered.</li> <li>Involved in designing and development of the application.</li> <li>Designing and development of new requirements and modules</li> <li>Performance tuning of the application with respect to databases and java coding.</li> <li>Release management and application deployment coordinator</li> </ul>	<p><b>Technologies</b></p> <p>JSON, JPA, Java 7,  JavaScript, XML,  XSLT, XSD,  GWT 2.4, J2EE,  Spring 3.1 (AOP,  MVC, DAO),  Hibernate 4.0, AJAX,  jQuery, Log4j 1.2.14,  MS SQL Server  2008, Maven,  Eclipse, SVN, SCRUM  Agile, GeoServer  3.2.7, Apache  Tomcat 7, IIS 7.5</p>

## Sabre Travel Technologies

### Senior Software Developer

03/2012 – 12/2012

<p>➤ <b>Travelocity.com – Cruise Module (Travel Domain)</b></p> <p>Travelocity is an online travel portal for shopping and booking airline, hotel, and car and cruise line. Travelocity is the sixth largest travel agency -- booking \$10.1 billion in travel worldwide in 2006. Based in Southlake, Texas, Travelocity has offices throughout the U.S. and also owns and operates Travelocity Business® for corporate travelers, lastminute.com, a leader in European online travel and ZUJI, a leader in Asia-Pacific online travel. Travelocity-Cruise module is specifically focused on shopping and booking cruises on different cruise lines such Oceania, Norwegian and many more.</p> <p><b>Responsibilities</b></p> <ul style="list-style-type: none"> <li>Acting as <b>module lead and POC</b> for following cruise systems and services <ul style="list-style-type: none"> <li>Configuration and Change management tool (CCMTool) which is used to launch promotions and deals.</li> <li>Cruise-services and schedulers are sub systems used to send email and process vendor data for different cruises they support.</li> </ul> </li> <li>Mainly involved in client facing projects such as Royal Bank of Canada.</li> <li>Designing and development of new requirements and modules</li> <li>Training new resources on the application and project processes to bring them up to speed</li> </ul>	<p><b>Technologies</b></p> <p>Java, JavaScript,  XML, XSLT, XSD,  Shell Scripts, PL-SQL,  ActionScripts, J2EE,  Spring 3.0 (AOP,  MVC, DAO),  Hibernate, Struts 1.x,  AJAX, jQuery, Adobe  Flex 3.0, Velocity  DAO Templates,  Blaze-ds, Maven,  Ant, Eclipse, IntelliJ,  JMeter, Bugzilla,  Cygwin, SQL  Developer, Hudson,  Build Environment,  TOAD, Microsoft  Visio, UML, Tortoise</p>
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<ul style="list-style-type: none"> <li>• Develop and maintain structured code from technical specifications and requirements.</li> <li>• Developing the High-level Design and Low-level design documents for the enhancement and getting it approved by the business analysts.</li> <li>• Currently working 12.12 release enhancements related to Travelocity cruise module.</li> <li>• Worked on performance tuning of the application with respect to databases and java coding.</li> <li>• Code review for my peers and helping them in their deliveries</li> <li>• Worked on localization and internationalization of the application.</li> </ul>	SVN and CVS, SCRUM Agile, Apache Tomcat 7
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## Manhattan Associates

### Senior Software Engineer

03/2010 – 03/2012

#### ➤ SCOPE Transport Lifecycle Management – Manual Consolidation Workspace (Supply Chain Management Domain)

Manhattan Associates is a best-in-class global solutions provider for supply chain leaders—organizations intent on creating enduring market advantages by leveraging their supply chains. We help our customers successfully manage accelerating and fluctuating market demands, as well as master the increasing complexity and volatility of their local and global supply chains.

Transport Lifecycle Management module which is used to crate shipments out of orders, both automatically and manually. Manual Consolidation Workspace is used to manually plan the shipments.

#### Responsibilities

- Developing the High-level Design and Low-level design documents for the enhancement and getting it approved by the BA's.
- I was the part of Transport Lifecycle Management migration from JSF to Spring 2.0.
- Client delivery for Manual Consolidation Workspace module which was one of the best deliveries made to CNS and was highly appreciated by the client.
- Worked on performance tuning of the application with respect to databases and java coding.
- Code review for my peers and helping them in their deliveries
- Worked on localization and internationalization of the application

#### Achievements

- Client delivery for Manual Consolidation Workspace module, was one of the best deliveries made to CNS and was highly appreciated by the client.
- Created a Proof-of-concept for Automatic logging systems using AOP

#### Technologies

Java, JavaScript, XML, XSLT, XSD, UNIX Bash Shell, DB2 and PL-SQL, Python, J2EE, Struts 1.x, Spring 3.0, EJB 2.0, Design Patterns, JSF 1.0, AOP, Bing maps API, Design Patterns, UML, SAAS, JMS, JProfiler, Log4j, Pref4j, TOAD, Maven, Ant, Eclipse, Clear Case, Clear Quest, StarTeam, ScrumWorks, Maven, Ant, SCRUM Agile, JBoss, Weblogic Application Server

## Tech Mahindra Limited

### Senior Technical Associate

03/2009 – 03/2010

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<p>➤ <b>Phoenix – AT&amp;T Services Inc. (Telecom Domain)</b></p> <p>Phoenix is a web application which is used by AT&amp;T customer care representatives catering the small business customers, for their telecom products and services. The project was a CLIENT MANAGED PROJECT with daily status update and meetings.</p> <p><b>Responsibilities</b></p> <ul style="list-style-type: none"> <li>• Conducting training for new resources on product and technical knowledge.</li> <li>• Analyzing, designing, developing, unit testing and supporting the client application</li> <li>• Attending and conducting the client and peer review meetings to ensure the quality of the product</li> <li>• Documentation of the Design, Unit test plan and Code review documents</li> <li>• Configured the local workspace for Phoenix Offshore team</li> <li>• Configured the hot deployment for the application</li> <li>• Configured the debug environment for the application</li> <li>• Developed a automation BASH script to increase the productivity</li> </ul>	<p><b>Technologies</b></p> <p>Java, JavaScript, XML, XSLT, XSD, UNIX Bash and Korn Shell, Oracle PL-SQL, Web-services, Struts 1.x, EJB 2.0, J2EE, Maven, Ant, Clear Case, Clear Quest, Design Patterns, UML, SOAP UI, Agile Test Drive Development, Web-logic Application Server</p>
<p><b>Achievements</b></p> <ul style="list-style-type: none"> <li>• Received ATT (Director IT ) Client Appreciation for RPA 1006 Release</li> <li>• Received 'Cookie' (COA) award for excellent work in Phoenix</li> <li>• Configured the local workspace for Phoenix Offshore team</li> <li>• Configured the hot deployment for the application</li> <li>• Configured the debug environment for the application</li> <li>• Developed a automation BASH script to increase the productivity</li> </ul>	
<p><b>CSC Private Ltd</b></p> <p><b>Software Engineer</b></p> <p>10/2006 – 03/2009</p>	
<p>➤ <b>Life Underwriting System (LUS) – Allstate Insurance, Northbrook, USA (Underwriting Domain)</b></p> <p>LUS is a CSC's legacy product used to help life insurance underwriters for analyzing and approving/rejecting life insurance policies. This application has an interface with Cyber-life Mainframe systems to fetch the life insurance policy details.</p> <p><b>Responsibilities</b></p> <ol style="list-style-type: none"> <li>1. Played the role of on-site coordinator and technical lead</li> <li>2. Conducted reverse knowledge transfer to share our understanding of the system</li> <li>3. Training my peers on the product and technical knowledge</li> <li>4. Designing, developing, unit testing and supporting the product and developing new utilities</li> </ol> <p><b>Achievements</b></p> <ul style="list-style-type: none"> <li>• Developed 4 utilities, Admin2LUS, Primary Checks, App-online Verification and Final Action Status Print Creation</li> </ul>	<p><b>Technologies</b></p> <p>Core Java, C#, C++, VB.net, VB Excel Macros, MSMQ, Data-alliance formats, MS SQL Server, VSS, FTP, Shell Scripts</p>

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- Developed a SQL Stored Procedure based utility to fix 100 requirement clients
- Setting up the debugging environment for the existing system
- An annual cost saving of \$78,650 using above utilities
- Awarded two Certificate Of Appreciation (COA) award for developing utilities and excellent work
- Awarded two BRAVO Award from the Client Manager (US, Allstate Insurance) for resolving a complex problem and Data Center Migration Project completion

<p>➤ <b>Resource Management System (RMS)</b></p> <p>RMS is a CSC in-house application which was developed for internal program management. The application was a web based portal which is used to manage projects, assignments, tasks and resources. This tool also manages the resource allocation and future resource travel planning.</p> <p><b>Responsibilities</b></p> <ul style="list-style-type: none"> <li>• Responsible for the delivery of the projects and leading a team of four</li> <li>• Responsible for gathering the requirements, creating the design documents.</li> <li>• Developed a major module which deals with the graphical chart representations</li> <li>• Trained my team in the Struts framework</li> <li>• The application was highly appreciated by the CSC managers</li> </ul> <p><b>Achievements</b></p> <ul style="list-style-type: none"> <li>• Learned Struts and conducted a session for my team mates</li> <li>• Created a Horizontal Bar Chart for representing resource's future resource travel plans</li> </ul>	<p><b>Technologies</b></p> <p>Struts 1.x MVC, J2EE, Oracle, Websphere server, JFreeCharts, Design Patterns, UML, VSS, XML/XSLT, XSD</p>
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<b>Syntel Private Ltd</b>	9/2005 –
<b>Analyst Programmer</b>	10/2006

<p>➤ <b>Inspection Stage Document Mgmt. System (ISDMS)</b></p> <p>ISDMS was a Product Lifecycle Management customization done for L&amp;T to automate the documentation of seam management process. The project was done on existing Product lifecycle management implementation and involves different functionality to approve a seam and manage reports. Responsible for designing, developing and testing a module in ISDMS called RTUT (Radioactive and ultraviolet testing) module</p>	<p><b>Technologies</b></p> <p>EDS Teamcenter, Oracle, XML/XSLT</p>
<p>➤ <b>Maintenance and enhancements of the existing PLM system – OTIS</b></p> <p>Defect management and timely resolution of the critical issues and bugs in the existing PLM implementation</p>	<p><b>Technologies</b></p> <p>EDS Teamcenter, Oracle, XML/XSLT, XSD</p>
<p>➤ <b>Pay Store GPP Rewrite – American Express</b></p> <p>This was a re-engineering project for American Express Gift Card business. Creating Functional Understanding Document (FUD) for the existing systems to gather the requirements</p>	<p><b>Technologies</b></p> <p>Coolplex, AIS 400.</p>

## Personal Projects

➤ <b>Personal Portfolio (<a href="#">here</a>)</b>	<b>Technologies</b>
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The web application which gives a brief introduction about my 8+ years of software development career.	Spring REST, MongoDB, Backbone.js, Handlebars.js, Underscore.js, Bootstrap.js Tomcat Git/GitHub Maven OpenShift
<p>➤ <b>Android Anti-theft Mobile Application with Social media integration</b> A generic android application designed to track a mobile when the user is not able to locate it in his/her vicinity. The application is integrated with the social media sites such as Facebook, twitter etc. using mobile internet, in order to track the device location when in contingency. The application will post device location on these social media. Also if the internet is not available the application will send our messages to the alternate number configured by the user. Once the user configured the application it will run as a background process to broadcast the device location on social media sites.</p> <p><b>Responsibilities</b></p> <ul style="list-style-type: none"> <li>Following the Agile development methodology to design and develop the application.</li> <li>Owner of the conception, design and development of the application.</li> <li>Also following project management practices for planning and to achieve the milestones.</li> </ul>	<p><b>Technologies</b> Java/J2EE, Android API 16, Android SQLite, Eclipse ADT, Android SDK, XML, Facebook API, Twitter API.</p>
<p>➤ <b>Hack-a-thon – Roaming Gnome</b> This application was built in 3 days for the organization level event called as Hack-a-thon. The application was an android based mobile application for assisting the Cruise customer by updating them about the events happening on the Cruise enjoying their vacation. The application gets periodic event information feeds (XML) from the 3<sup>rd</sup> party service called Aker. Then using the android calendar support the application will update the event schedule hence informing user about the things and events going on different parts of the Cruise.</p> <p><b>Responsibilities:</b> Requirement gathering, Analysis, Designing and developing the application</p>	<p><b>Technologies</b> Java/J2EE, Android API 16, Eclipse ADT, Android SDK, XML</p>

## Education

Degree/Standard	Year of Passing	GPA
Bachelor of Engineering (Computer Science)	2005	7.3
Higher secondary	2000	6.5
Secondary	1998	6.9

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