

# ANKUR PIYUSH

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Software Developer - redBus.in (ibibo group)

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TECHNICAL SKILLS	
Programming Language	JAVA, C
JAVA Technologies	JSP, Servlets, JDBC, Hibernate, Spring
WEB Services	REST, SOAP
Build Automation Tools	Maven

PROFESSIONAL EXPERIENCE		
<b>WALLET</b> (redBus.in) (end-to-end development)	(Jan'15 - present)	JAVA, Spring, Spring Data JPA, REST (Jersey Framework)
<ul style="list-style-type: none"><li>Designed the database schema (MySQL) for the application and build data layer (Spring Data JPA) on top of the same</li><li>Developed the core business layer which support functionalities like DEBIT, CREDIT, CANCELLATION, etc. and subsequent integration with data layer</li><li>Build a separate core segment for offers specific to wallet which is centered in parallel to core wallet and all the functionalities of WALLET will be in synchronisation between wallet later and offer layer</li><li>Developed the REST layer on top of core wallet which is integrated to current system to support happy transaction flow</li></ul>		
<b>PG RECONCILIATION SOFTWARE</b> (redBus.in) (end-to-end development)	(Sep'14 - Dec'14)	JAVA, Spring, Spring Data JPA, Lightadmin Framework
<ul style="list-style-type: none"><li>Build data layer (Spring Data JPA) on top of current transaction database and payment gateway settlement database</li><li>Developed the adapter layer which provides support to reconcile transactions on any domain (redBus transactions, redBus hotel transactions, etc.) and subsequent integration with data layer (plug-n-play)</li><li>Build the core business layer which allows to reconcile any transaction happening across the organisation with the corresponding settlements through payment gateways and banks.</li><li>Integrated web-interface (Lightadmin Framework) on top of the core layer and modified the design for better user experience (HTML, CSS)</li></ul>		
<b>WORKBOOK OBJECT MAPPER</b> (redBus.in) (end-to-end development)	(Jul'14 - Aug'14)	JAVA, Apache POI
<ul style="list-style-type: none"><li>Developed a generic application which converts any workbook (.xlsx or .xls files) into a provided destination object using a pre-installed XML configuration</li><li>Integrated the Apache POI's API with the core business layer of the application which provide support to read .xls and .xlsx files</li><li>Added a customization layer in the XML configuration where the client can put validators and converters on any column in workbook</li></ul>		

EDUCATIONAL QUALIFICATIONS			
Year	Degree/Certificate	Institute/School	CPI / %
2014	B-Tech (Electronics & Communication)	The LNM Institute of Information Technology, Jaipur	5.92
2009	XII(CBSE)	Radha Govind Public School, Ramgarh	73%
2007	X (CBSE)	Guru Gobind Singh Public School, Bokaro Steel City	84%

SUMMER INTERNSHIPS		
<b>IIT-Bombay</b>	<b>Mumbai</b>	<b>May'12-June'12</b>
<ul style="list-style-type: none"><li>Build a circuitry model for DC and Step-up motor control through a microcontroller and tested the same for several functions</li><li>Platforms used: MPLAB X IDE simulator, PIC18F2455 Microcontroller, Eagle 6.2 PCB Builder, AURAM-Hex Board</li></ul>		
<b>SAIL, Bokaro Steel City</b>	<b>Bokaro Steel City</b>	<b>May'11-June'11</b>
<ul style="list-style-type: none"><li>Designed PLCs for fault tolerance issues using microcontrollers. Platforms Used: MPLAB X IDE v1.00 simulator, ATMEGA 8035</li></ul>		

KEY ACADEMIC PROJECTS			
Link Stable On-Demand Multicast Routing Protocol	Simulator: Exata (Qualnet)	Supervisor: Prof. Manoj Gaur, MNIT Jaipur	Dec'13-Pre sent
<ul style="list-style-type: none"> <li>Appended Any-Path distributed routing feature on pre-designed ODMRP and subsequently retrieved energy consumption &amp; bit error rate at each node from physical layer</li> <li>Intending to add remaining energy, bit error rate and similar parameters as attributes while estimating the optimal route</li> <li>Contrast via Packet Delivery Ratio vs Connections, Control Bytes per Data Bytes &amp; Total packets send per Data Packet</li> </ul>			
Cost Effective GRWA WDM Mesh Network	Simulator: MATLAB	Supervisor: Prof. P. Paul, BIT Mesra, Ranchi	Aug'13-Dec'13
Submitted: Elsevier Journal, Computer Communications, 2014			
<ul style="list-style-type: none"> <li>Approached the problem through k-shortest path &amp; Integer Linear Programming algorithms on 6 &amp; 10 node topology</li> <li>Heuristic approach with Genetic Algorithm due to computational complexity constraints and for higher nodes topology</li> <li>Compared via Blocking Probability (BP) vs Grooming Devices, BP vs No. of Connections (NOC), Total Cost vs NOC, etc.</li> </ul>			

ACADEMIC POSITIONS OF RESPONSIBILITY		
<b>Core Committee Member</b>	<b>Entrepreneurship Cell, LNMIIT</b>	Aug'10-Sep'12
<ul style="list-style-type: none"> <li>Headed finance department in 1<sup>st</sup> Model United Nations, LNMIIT Jaipur</li> <li>Accountable for sponsorship management to organise 'Sell with E-Cell' (Portfolio Event)</li> </ul>		
<b>Head of Accommodation Department</b>	<b>Annual Sports Meet, LNMIIT</b>	Sep'11
<ul style="list-style-type: none"> <li>Spearheaded a 20-strong team, subsequently administered the responsibility successfully.</li> </ul>		

PERSONAL PROFILE	
Name	Ankur Piyush
Date of Birth	26-08-1992
Total Experience	9 months
Current Location	Bangalore