

## CURRICULUM VITAE

### **TEJBIR SINGH**

Sr. Lead Software Engineer, SSL, Cork

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### EXPERIENCE SUMMARY

- Over 12 years of working experience in software prototyping, designing, and development while working as **Tech Lead, Sr Software Engineer** and **Lead Developer** in Java/J2EE/C++.
- Experience in data modeling and design of large scale EMS, NMS, and OSS systems.
- Comprehensive knowledge of software prototyping, and designing with strong clutch over of architectural patterns, design patterns, Design Principles, OOAD, UML, Rational Rose.
- Extensive experience in requirement analysis, cost estimation, and delivery management.
- Experience in design and implementation of telecom and web-based applications.
- Working experience with **LM Ericsson Ltd, Wipro Technologies, IBM Global Services, Flextronics Software Systems**.

### CURRENT POSITION

Currently working as **Sr. Lead Software Engineer** with **Scannell Solutions Ltd** Cork, Ireland since Jan 2012. The key responsibilities include:

- To create detailed Design Document (UML) for new Customer requirement.
- To write Unit Test Plan (JUnit4) for new development.
- To write source code in Java, Spring MVC, Hibernate, JSP, JSTL, JSON, JQuery, SQL
- To assist other team members for any development or design issues.
- To review the source code written by other team members to maintain the quality of the code.

### WORK PERMIT/VISA STATUS

I possess green card and **stamp 4**. I am eligible to work in any of the companies in Ireland without need of any sponsorship from offering company.

### EDUCATIONAL QUALIFICATIONS

- Master of Technology (**M.Tech.**) in Computer Science and Engineering (CSE).
- Master of Science (**M.Sc.**) in Electronics.

### PROFESSIONAL SKILLS

SNo	Skills
1.	Languages/Framework
	Java, JSP, JSTL, jQuery, JSON, CSS, HTML, Spring MVC, Hibernate
	Spring Framework, Spring Web Services, JMS, RMI, JNDI, XML, XSD

	JDO, OSGi Framework, Eclipse Plug-in, RCP
2.	<b>Concepts, Patterns and Methodologies</b>
	Object Oriented Analysis and Design, Architectural and Design Patterns
3.	<b>Architect &amp; Designing Tool</b>
	Rational Rose, UML
4.	<b>Business Domain</b>
	EMS, NMS, OSS, EHS
	GSM/GPRS, WCDMA, LTE
5.	<b>Distributed Technologies</b>
	RMI & JMS
	CORBA
	MQSeries
	SOA
6.	<b>Operating Systems</b>
	Solaris, HP-UX, Linux, Unix
	Windows
7.	<b>Configuration Tools</b>
	Rational Clear case, Subversion
8.	<b>Database</b>
	MYSQL, Microsoft SQL server, Oracle 9i
	Versant
9.	<b>Protocols</b>
	TCP/IP, FTP, SFTP, SSH, SNMP

## **AWARDS & RECOGNITION**

- Received **Encore award** (Feather in My Cap) at Wipro for showing extraordinary performance in UIMX tool.
- Received **Encore award** (Feather in My Cap) at Wipro for showing extraordinary performance in solving problems during System Testing.
- Received **Encore award** (Feather in My Cap) at Wipro for showing extraordinary performance for XMATE R14 Release.
- Received two times **Beyond & Above** award at Wipro for solving couple of difficult TRs.

## **CERTIFICATIONS**

- Wipro Architect Readiness Program(ARP)
- Wipro GSM/GPRS
- Wipro UMTS/LTE

## **PROJECTS**

PROJECT NAME	DESCRIPTION
<b>enviroMANAGER</b> (Jan 2012-Date)	<p><b>Company:</b> Scannell Solutions, Cork, Ireland</p> <p><b>My Role:</b> I am part of development team responsible to design and develop new features as per the customer request. The day to day activities include.</p> <ul style="list-style-type: none"> <li>To develop new web features using Java, JSP, JSTL, jQuery, MySQL, SQL Server.</li> <li>To review java code written by other team members.</li> <li>To ensure the quality of the software due for delivery.</li> </ul> <p><b>Technologies Used:</b> Java, JSP, JSTL, jQuery, Spring MVC, Hibernate, MySQL, SQL Server, Linux</p> <p><b>Description:</b> The <b>enviroMANAGER</b> is a web based application used for Environment, Health and Safety. The enviroMANAGER application is composed of 5 modules namely enviroLAW, enviroRISK, enviroAUDIT, enviroINCIDENT, and enviroDOCS.</p>
<b>OSS-RC</b> (June 2009-Dec 2011)	<p><b>Company:</b> LM Ericsson, Athlone, Westmeath, Ireland</p> <p><b>My Role:</b> I was a part of the development team responsible for design and development of the OSS modules. While working as a key team player, and tech lead I developed:</p> <ul style="list-style-type: none"> <li>A web based interface to validate and correct Network Element's XMLs using Java, JSP, JSTL, Javascript, jQuery.</li> <li>An interface between OSS server and SGSN Node to get node configuration data using Java, RMI, XML, XSLT.</li> <li>A network adapter to configure Network Elements in OSS using Java, Spring Framework, RMI, JMS, CORBA</li> </ul> <p><b>Technologies Used:</b> Java , JSP, Javascript, Spring Framework, RMI, JMS, CORBA, Solaris 10.</p> <p><b>Description:</b> OSS-RC is a complete products suite for Operations Support System (OSS). This provides all FCAPS capabilities to the telecom operators.</p>
<b>XMATE AXE Explorer</b> (Feb 2007-June 2009)	<p><b>Company:</b> Wipro Technologies, India</p> <p><b>My Role:</b> I was a key member of the development and maintenance team responsible for maintenance and development of the software features. I independently developed an AXE file explorer using Java, RMI, JNI, Java Swings.</p> <p><b>Technologies Used:</b> Java, JNI, Java Swings, Oracle 9i, Solaris 8/10.</p> <p><b>Description:</b> XMATE AXE Explorer is a part of eXchange Management Terminal(XMATE), an Ericsson Element Management System. This provides the EMS Operator with the facilities to download, upload, view, create, and delete AXE files through a user friendly graphical User Interface. This is used to perform O&amp;M activities for Ericsson specific AXEs (Wireline Nodes). This provides Fault management, File management, MML execution,</p>

	Performance management, Security Management, Command Macro management, Intelligent Command Execution.
<b>XMATE</b> (Dec 2005-Feb 2007)	<p><b>Company:</b> Wipro Technologies, India</p> <p><b>My Role:</b> Design &amp; Development</p> <p><b>Technologies Used:</b> Java, RMI, JNI, Java Swings, Solaris 8/10.</p> <p><b>Description:</b> eXchange MAnagement Terminal, is an Ericsson Element Management System. This is used to perform O&amp;M activities for Ericsson specific AXEs (Wireline Nodes). This provides Fault management, MML execution, Performance management, Security Management, Command Macro management, Intelligent Command Execution.</p>
<b>Business Maintenance Platform</b> (May 2004-April 2005)	<p><b>Company:</b> IBM Global Services India (P) Ltd, Bangalore</p> <p><b>My Role:</b> Design &amp; Development</p> <p><b>Technologies Used:</b> Core Java, Java RMI, HP-UX.</p> <p><b>Description:</b> BMP is ticket based huge application to resolve the problems of AT&amp;T customers. This is Multi tier application composed of Ticket Server, Report Server, and Database Server.</p>
<b>NexKal</b> (Aug 2002-May 2004)	<p><b>Company:</b> NeXtar Software Systems, India</p> <p><b>My Role:</b> Design and Development</p> <p><b>Technologies Used:</b> C, C++, Linux</p> <p><b>Description:</b> NexKal is commercial accounting product for Unix and Unix variants. This is featured like Tally, the accounting software used in Windows environments. This is an end user application targeted to all the requirements for an accountant.</p>
<b>Information Manager (IM)</b> (May 2001- Aug 2002)	<p><b>Company:</b> NeXtar Software Systems, India</p> <p><b>My Role:</b> Design and Development</p> <p><b>Technologies Used:</b> C, C++, Linux</p> <p><b>Description:</b> IM is used to track problems in the network. When a problem is encountered, the manager logs the event into database. Log database is parsed to see the failure of the network element(s) and problem is located and solved.</p>

## PERSONAL DETAIL

Date of Birth	Jan. 4, 1974
Gender	Male
Marital Status	Married
Nationality	Indian
Personal Web Page	<a href="http://tejbir-singh.appspot.com/">http://tejbir-singh.appspot.com/</a>