

PUNEET LAKHINA

1. PERSONAL INFORMATION

- **Address:** 182 Kailash Hills, Near East of Kailash,
New Delhi – 10065, India
- **E-Mail:** puneet.lakhina@gmail.com
- **Phone:** 00919818069803

2. AREAS OF INTEREST

Distributed Systems, Peer to Peer Systems, Software Engineering, Information Retrieval, Computer Networks, Databases.

3. EDUCATION

- **Bachelor of Technology in Information Technology,**
Vellore Institute of Technology University, November 2006
CGPA: 9.23 Scale: 10
Rank: 5th (Class Strength: 65)

4. ACADEMIC INTERNSHIPS/FELLOWSHIPS

- **Position:** Project Trainee (January 2006 – May 2006)
Institution: Kanwal Rekhi School of Information Technology, Indian Institute Of Technology Bombay
Mentor: Dr. Deepak. B. Phatak
- **Position:** Summer Intern (June 2005-August 2005)
Institution: Kanwal Rekhi School of Information Technology, Indian Institute Of Technology Bombay
Mentor: Dr. Deepak B. Phatak

5. PROFESSIONAL WORK EXPERIENCE

- **Position:** Associate System Engineer (June 2006 – Present)
Institution: IBM India Private Limited.

6. PROJECTS

- **Virtualization:**
Executed at: IBM India Pvt. Ltd
Team Size: 25

Abstract: Virtualization is a SOA based platform, that allows integration of multiple type of bearers (USSD, Web, SMS, IVR, Kiosk etc.) with service platform (network elements) providing scalable, flexible and easily configurable solutions. Virtualization is a key part of the Prepaid transformation that allows IT system to manage the increasing subscriber base (from current 45 million to projected 157 million by 2013) and can be applied for any telecom scenario. My role in the project was to manage the transport layer based on IBM Websphere MQ™ for service request processing. This involved development of a Listener Framework for allowing a business logic plugging without regard to the nature of the transport layer. I was also the lead for load testing and optimization group, whereby the performance target of 43 service requests processing per second was achieved.

Technologies: Java, IBM Websphere MQ Queuing Platform middleware, Oracle Database

- **Central Activation Online:**
Executed at: IBM India Pvt. Ltd.
Team Size: 6

Abstract: CAOL automates the process of Activation and address and credit verification of post paid customers of Bharti Airtel. I developed a mathematical model for credit score calculation based on the weightage of various attributes e.g. residence location, type of employment etc. I also developed a modular database interface for making CAOL available over various channels like Short Message Service (SMS) and Unstructured Supplementary Service Data (USSD). I was the Lead for the effort on workflow redesign to reduce load on external network interfaces like Mediation Order Management server.

Technologies: Java, J2EE, Struts, Mediation System, Arbor Billing System, Oracle Database, JDBC

- **Illustrated Parts Catalog**
Executed at: Aeronautical Development Agency Lab, Kanwal Rekhi School of Information Technology, Indian Institute of Technology Bombay

Abstract: Developed Illustrated Parts Catalog for Learning and Simulation suite of Aeronautical Development Agency (ADA), Department of Defense. The Illustrated Parts Catalog provides an easy viewing environment for trainers and trainees at ADA to view/play various media associated with a particular aircraft component. Organizes aircraft components according to aircrafts and their fuselages and provides for an integrated media environment for various media formats such as FLI videos, 8c1 images (proprietary vector image format), txt files etc. Also provides a search engine for locating aircraft parts and/or the associated media.

Technologies: Java Swing, Apache Lucene (indexing and retrieval framework), Java native interface for proprietary image format, Java Media Framework

- **Lesson Specifier**

Executed at: Aeronautical Development Agency Lab, Kanwal Rekhi School of Information Technology, Indian Institute of Technology Bombay

Abstract: Lesson Specifier allows trainers at Aeronautical Development Agency (ADA) to build interactive lessons by combining heterogeneous media formats as directed graphs in a timed sequence. Each node in the graph represents a part of the lesson and every node carries an associated delay.

Technologies: TCP/IP fundamentals, image rendering technologies, Java swing, java media framework, java native interface

7. HONORS AND AWARDS

- Bravo Award worth US\$250 by IBM for Outstanding Contribution to Bharti Project.
- Bravo Award worth US\$350 by IBM for Outstanding Contribution to Order Management Server Stabilization effort for Central Activation Online.
- Flawless Application Delivery Award by IBM.
- Best Academic Performance Scholarship worth Rs. 12,000 awarded by Vellore Institute of Technology for the year 2004-2005
- Best Academic Performance Scholarship worth Rs. 12000 awarded by Vellore Institute of Technology for the year 2005-2006

8. PROFESSIONAL CERTIFICATIONS

- **Sun Certified Java Programmer (SCJP) 5.0 Certification (Score 90%).**
Date of Certification: May 2007

9. TECHNICAL SKILLS

Languages: Java, JavaScript, Python, C, C++, 8086 assembly language
Tools: Eclipse, Subversion, Rational Clear quest, IDLE, Rational Clear Case,
Databases: Oracle, PostgreSQL, Pl/sql for oracle, pl/pgsql for Postgres, DB2
Platforms GNU Linux, Solaris, IBM AIX, SCO Unix, Windows XP/Vista

10. AFFILIATIONS

Computer Society of India (CSI) Vellore Chapter, India Linux Users Group Mumbai, India Linux Users Group Delhi

11. LEADERSHIP ROLES

- **Core Organizing Committee – Swatantra, a symposium on Free and Open Source Technologies**
One of the four core committee members. Conducted talks by Free Software Foundations stalwarts like Richard Stallman, Dr. G. Nagarjuna. Managed participation of over 1000 students from across India
- **Council Member** – Indian Society for Technical Education, Vellore Chapter. Organized talks and workshops by eminent researchers at Vellore Institute of Technology.

12. Languages Spoken:

- **English, Hindi, Punjabi**
- **Chinese – Certificate Course from Indian Institute of Foreign Trade.**
- **German – Certificate Course from Vellore Institute of Technology.**

