

Summary

Anshuman holds masters degree in Information Technology from Indian Institute of Technology Bombay, [IITB](#). He carries 4.5 years of IT-experience. He has been working with Morgan Stanley since Aug-2006, which is a leading investment banking firm. He is working as a Manager in its IT-division, primarily focused on Ops Control applications.

He has worked on many middle-ware frameworks which use JAVA, .NET and internal technologies of the firm. He is well acquainted with JAVA, PERL, SYBASE and .NET - with Linux and Windows platform.

He is having very high dreams to build a successful carrier and is ready to take challenges.

Objective

To work in a progressive organisation that provides challenging opportunity to learn and utilise my skills.

Experience

1. Working with Morgan Stanley since Aug-2006. Promoted to Manager in year-2009.
2. Worked with a small start-up from July-2003 to June-2004.

Academic Qualification

- **MTech-Information-Technology**, [KReSIT](#), Indian Institute of Technology, Bombay, ([IITB](#)), (2004-2006). CPI: 8.77/10.
- **BTech Information-Technology**, Rungta College of Engineering and Technology ([RCET](#)) – Bhilai, Pt. Ravishankar Shukla University, Raipur (1999-2003). Percentage : 79.33%

Technology Skills

- **Languages:** JAVA, C#, C, C++, Perl, Shell Script, VB
- **Databases:** SYBASE, Oracle, MySQL, DB2
- **Web Technologies:** XML, XSLT, HTML, PHP, CGI
- **Platforms:** Linux (Fedora, Debian, Red Hat, Ubuntu), Windows
- **Network Simulators:** QualNet, OPNET, NS-2

Project undertaken at work

1. **Helix** [Feb'07– till date]: Helix is SOAP based querying framework which allows application to rapidly build SOAP services to fetch data from database with minimum configuration. Framework is divided into two parts; DataServices, a JXB (internal technology, JAVA+XML) based framework for writing services in the middleware and STP-Controls, .NET based controls to build web pages for client. My primary responsibility includes development, distribution, support and upgrade.

Responsibilities: Project management, User Interaction, Development

2. **Account Validation Engine** [Dec-09 - till date]: This validates business rules, written by operation team, against all the accounts in the firm. This is written in Java, JRule, Sybase, Informatica and unix scripts.

Responsibilities: Project management, User Interaction, Development

3. **Deficit Reporting Engine** [Jan-10 - till date]: This reports the deficiencies in the firm. Written in Java, Perl and Sybase.

Responsibilities: At present, I'm migrating project from other team and setting up

4. **Application Middleware DataServer (ADS)** [Jan'08 – July'09]: ADS is also a querying framework written in latest technologies; Spring, Apache-CXF, H2.

Responsibilities: Lead developer from Helix team. My responsibilities involved implementing all the features of Helix into ADS.

5. **Project Isis** [July-03 to June-04]: External rule engine to find out the inconsistencies in a database. This tool was written in .NET and XML.

Responsibilities: Designer and developer of the grammar of rule engine and admin screen.

6. **Others:** I have also written many utility tools to automate or ease the job of teams I have worked on or been working. To name a few, Web Interface for users to change passwords, PERL script to draw a flow graph of ADS services, Unix script to analyzing the number of connections, type of m/c and users.

Academic Work Experience

I worked as a system administrator in IIT-Bombay. Following Services were installed, configured and maintained by me, for two years on Debian Linux operating system.

- **Web Server** - Apache.
- **Backup Server** - Amanda.
- **Print Server** - CUPS.
- **FTP Server** - WU-FTP.
- **News Server** - NNTP.
- **DHCP Server.**

Major Academic Projects

MTech Thesis: ["Extension of AODV for partially Connected Ad hoc Network"](#)

Language/Tool: QualNet Simulator, C++.

Description: Routing protocol for ad hoc networks such as AODV, DSR etc, are not able to communicate over partially connected ad hoc networks because they assume a connected path between source and destination pair. Hence, we proposed and developed a new scheme named *proxy-AODV (p-AODV)*, to communicate over partially connected ad hoc network, which requires modification of AODV. *P-AODV* uses store and forward method with proxy concept of wired networking.

BE Thesis: *"Steganography with Image as Stegomedia"*

Language/Tool: Visual Basic

Description: In this project, we have worked on hiding the text within image in such a way that a human eye can not recognize any changes in Image. We also used simple DES to encrypt the text before hiding it in Image.

Other Projects

1. **Title:** [Network Topology Discovery](#), **Language/Tool:** SNMP, Perl, DOT.

Description: We developed a tool to automatically generate the topology of a Network. We used SNMP protocol to retrieve the information from SNMP enabled devices. Here we are querying the router and switches for active IP address instead of applying brute force search on the subnet.

2. **Title:** [Simulation of TCP-AP](#), **Language/Tool:** Java.

Description: TCP-AP is a variant of TCP to control the congestion window size for wireless networks. In this project we implemented TCP-AP. We compared the performance of TCP-AP with TCP. We also modified the TCP-AP and compared the performance of this modification with TCP and TCP-AP.

3. **Title:** [MPLS Implementation](#), **Language/Tool:** MPLS Toolkit, Shell Scripts.

Description: We establish a MPLS network in the Networks Lab of KReSIT and demonstrated its use for meeting QoS requirements for different applications. The MPLS network was tested using a FTP and Streaming Video transfers.

4. **Title:** [Function Control Flow Graph Generation for C projects](#), **Language/Tool:** Perl, DOT.

Description: We developed a tool, which draw the flow graph of functions. In the generated graph a node have three fields which describe name of the function, variables declared in function and path of the function and directed edge between two node shows the condition of calling one function from other.

5. **Title:** *Recursive Site Map*, **Language/Tool:** Perl.

Description: Creates site map of given URL up to the specified depth.

Achievements, Awards and Extra-curricular Activities

1. Achievements

- a. [GATE](#), All India Rank 5, secured 99.94 percentiles.
- b. Ranked 3rd in BTech university, 2003.

2. Awards

- a. **Morgan Stanley Business Principles Award 2007** in category “Keep Your Balance”.
- b. RCET-Sportsman of the year 2000-2001.
- c. RCET-Sportsman of the year 2001-2002.

3. Extra-Curricular

- a. Member of Morgan Stanley placements committee for IIT-Bombay, Mumbai office.
- b. Member of Events-Committee of Morgan Stanley, Mumbai office.
- c. Member of [KReSIT ITA Council for 2005-2006](#).
- d. Member of RCET Students Affair Council 2002-2003.