

# Servio Fernando Lima Reina



Cdl Via al Sol Km 14 ½ via a la Costa  
Guayaquil, Ecuador  
5933-3920349  
5934-2680555-ext 504  
Cel. 59399-055231  
slima@telconet.net

## EDUCATION

### Universidad Santa Maria de Chile

#### Master of Business Administration – MBA-

This program strives for developing skills in the Business, Entrepreneurship and Management arena, preparing students for assuming a key role in their companies.

Magna Cum Laude

*Thesis: Lean Thinking and Theory of Constrains applied to a Telecommunications Company.*

Guayaquil, EC

May 2004-Dec 2005

### Carnegie Mellon University

#### Master of Science in Information Networking – MSIN-

An interdisciplinary program that integrates computer and networking technology, business applications and policy studies.

*Graduate program full tuition scholarship (FUNDACYT-LASPAU's grantee)*

*Thesis: Design and Implementation of multiple load balancing systems using a Network Processor Architecture*

*See [http://www.ini.cmu.edu/research/student\\_research.aspx#2000](http://www.ini.cmu.edu/research/student_research.aspx#2000)*

Pittsburgh, PA

Aug 1999-March 2001

### Escuela Superior Politécnica del Litoral (ESPOL)

B.S. in Computer Science

Guayaquil, EC

Jan 1990-Dec 1995

## EXPERIENCE

### CTO, TELCONET, Guayaquil-Ecuador

*One of the largest Carriers & Internet Service Providers in Ecuador  
Satellite, local loop and Dial up services See: [www.telconet.net](http://www.telconet.net)*

Guayaquil, EC

Oct 1995 – May 1998

Nov 2001 – present

- Nationwide Chief Technology Officer
- Main Achievement: First to build a full nationwide L2/L3 MPLS network with a very high SLA
- More than 150 engineers under my administration
- Service Provider IP Backbone Architect based on Cisco
- Develop strategies for the ISP and Carrier business
- Network security & Routing & Switching expert
- Linux configuration, programming & management
- Satellite earth station installation

### CEO, Cisco Networking Academy

*The Cisco Academy is a joint venture between Cisco, the International Telecommunication Union (ITU) and the Escuela Superior Politécnica del Litoral (ESPOL). The Academy prepares students for becoming Cisco Certified Network Associate (CCNA)*

Guayaquil, EC

Nov 2001- Jan 2005

- Chief Executive Officer for the Local Academy
- Main Achievement: First academy to be recognized as the BEST of LatinAmerica twice (2002-2003)
- CCNA/CCNP self training
- Manage Academy finances and accounts
- Course Coordination
- Strategic planning for becoming CCNP Academy

**EXPERIENCE****Senior Network Engineer, Excite@Home, Redwood City, CA (Silicon Valley)**

Redwood City, CA USA  
March 2001 – Oct 2001

*Excite @ Home was leader in broadband communications (cable modem access) in the US. In 2001 was bought by AT&T Broadband.*

- Main Achievement: One of the builders of the Layer 5 technology needed for load balancing [www . excite . com](http://www.excite.com) Portal
- Test/recommend network devices: L2/L3/L4/L5 switches
- Network design: Define parameters for reliability/scalability/operation of the network.
- Network engineering : provisioning, traffic engineering
- Network routing: BGP4, OSPF configuration

**CTO, TELIA AB Ecuador, Guayaquil-Ecuador**

Guayaquil, EC  
June 98 – June 99

*Swedish PTT with an Internet branch office in Ecuador  
Corporate access to Internet (See [www.telia.net](http://www.telia.net) )*

- Regional Chief Technology Officer (for Guayaquil- Ecuador)
- Main Achievement: Built a highly resilient Network that attracted important Customers in Ecuador.
- TELIA AB technical team leader , reporting directly to Telia Sweden
- Development of Cost/Benefit analysis for emerging ISPs
- Development of corporate solutions based on Internet technologies: VPN, Firewalls, Videoconference, VoIP, QoS and Intranets
- Implementation of Cisco, ACT and Ascend Internet based solutions.
- Implementation of a wide range of local loop solutions: Wireless, VSATs, Fiber, Cooper, etc.
- Design of a Pictoretel Videoconferencing system based exclusively on IP using Telia worldwide Backbone achieving CIF video quality.
- Installation of terrestrial earth stations using Panamsat PAS 3 and Intelsat
- Network design using redundant links and full BGP4 services

**President, IEEE Comsoc ECUADOR**

Guayaquil, EC  
Jan 2006-present

*IEEE Communication Society branch in Ecuador*

- Elected President for two years in a democratic election.
- Main Achievement: Andescon 2006, NOMS 2007, JST events.
- Aim to foster further development of COMSOC society in Ecuador
- Organize ANDESCON 2006 event with more than 200 researchers participants
- Represent Ecuador in International COMSOC Events
- Writer of several international papers published in IEEE Explorer

**CISCO COURSE  
TAKEN**

Building Cisco Core Networks with OSPF, BGP, and MPLS Boot Camp  
7/18/2005 to 7/22/2005 Location San Jose,CA  
Advanced Implementing and Troubleshooting Cisco MPLS VPN Networks Boot Camp  
8/8/2005 to 8/12/2005 Location San Jose, CA  
Advanced Services' Building Enhanced Cisco Security Networks  
6/20/2005 to 6/24/2005 Location San Jose,CA  
Advanced Services' Building Advanced Metro Ethernet Networks  
3/21/2005 to 3/25/2005 Location Boxborough,MA  
CCNP Routing & Switching, Remote Access  
1/1/2006-present

CISCO NETWORKERS attendant 2004, 2007  
SUPERCOM/NXTCOMM attendant 2003, 2004, 2007

**INTERNATIONAL  
TRAINING**

Transition Strategies for Telecom Operators, Blekinge Institute of Technology (TSTO), Swedish Institute Development Agency –SIDA-, Ronneby/Stockholm,Sweden Nov 8 2006

CELEMI Enterprise Decision base Simulator, Swedish Institute Development Agency –SIDA- Ronneby, Sweden. Nov 2006

**SKILLS**

**Cisco Certified Network Associate (CCNA)**

**LANs:** Routers, Bridges, Switches, High Speed ATM switch design, Intel's Programmable Network Processors (IXP1200, PA100)

**Network Protocols:** TCP/Ipv4 and Ipv6, MobileIPv4 and Ipv6, Diffserv architecture, IntServ architecture, Interior Routing Protocols (OSPF, RIP), Exterior Routing Protocols (BGP4), Multicast Signaling protocols (IGMP, RSVP), Scheduling (Cisco's WFQ), Voice signaling protocols (R2, SS7), Network Administration (SNMP, RMON), Traffic Token buckets, IPX/SPX, Netbios.

**Application Protocols:** EDI, XML, PKI, KERBEROS, NFS, AFS, CODA, DHCP, SAMBA, HTTP 1.0/1.1, SSL, DNS, Firewalls, Voice over IP, Content Based Switching (LARD)

**Local loop:** x.25, Frame Relay, SMDS, ATM, VSATs

**Programming Languages:** C, C++, Java, Perl, x86 assembler, SQL, IXP1200 microcode language, IXA100 API programming, Microsoft .NET programming

**Operating Systems:** Windows 9x, Windows NT, SCO Unix, NetBSD, Linux (Redhat, SUSE, Debian), Solaris, Novel Netware

**INT'L PAPERS  
WRITTEN**

Metropolitan Area Networks based on Ethernet in Ecuador  
IEEE Informativo 51, Region 9. Diciembre 2005  
A performance Comparison of TCP Protocols over Mobile Ad Hoc Wireless Networks  
CERMA. Cuernavaca, Mexico. Sept 2006  
Tecnologías de Internet de Banda Ancha  
Revista TENDENCIAS, Memorias de las Jornadas de Sistemas de Telecomunicaciones JST 2007, pag 21-24. Guayaquil-Ecuador. Enero 2007

**HOBBIES**

Jogging, weight lifting, reading

## Courses received

### CARNEGIE MELLON UNIVERSITY

<b>Master of Science in Information Networking</b> MSIN	<p><b>Networking:</b> Mobile &amp; Wireless Communication, Princ. Of Broadband Networks, Packet Switching, Optical Networks, Network Analysis and Design, Operating Systems, Distributed Systems, Quality of Service for Networks, Internet Services</p> <p><b>Administration:</b> Business Management, Managerial Economics, Marketing Management, Internet Marketing, Competitive Strategy, Managing Services and Customer driven business</p> <p><b>Internet:</b> Electronic Commerce, Telecommunication Management, Corporate Telecom Networks, Security Analysis, Information System Modeling</p>
--	--

### Universidad Santa Maria de Chile

<b>Master of Business Administration</b> MBA	Macroeconomics, Microeconomics, Strategic Marketing Management, Statistics, Business Administration, Organizational Behavior, Operations Management, Financial Management, International Finance, Corporate Finance, Stock Markets, Marketing Simulation, B-B Marketing, Human Resource Management
---	--

### LANGUAGES

<b>English</b>	British Council, Advanced Level, 1995
<b>German</b>	Centro Cultural Ecuatoriano-Alemán 1998

### COMPUTING

<b>Repairing of Mainframes and terminals IBM</b>	CESERCOMP-ESPOL, 1994
<b>AS/400 Administrator</b>	IBM, 1996
<b>Tuning and Administration Solaris INTEL</b>	COMWARE, 1997
<b>Windows NT 4.0 Enterprise Technologies</b>	COMPUECACION EJECUTIVA, 1998
<b>Linux, SCO, BSD, HP-UX, AIX Administration</b>	TELCONET, 1997
<b>Internetworking with TCP/IP</b>	ESPOL, 1995
<b>NOVELL Networks(IPX/SPX)</b>	IMC, 1995
<b>Configuring bridges using STP</b>	ESPOL, 1997
<b>Configuring routers using RIP, OSPF, BGP4</b>	ESPOL, 1997
<b>Configuring switching hubs level 2 and 3</b>	ESPOL, 1997
<b>Configuring satellite terrestrial stations for Panamsat PAS-1</b>	TELCONET, 1997
<b>Configuring Spread Spectrum links using DSSS and FHSS</b>	TELCONET, 1998
<b>Configuring Remote Access Servers with R2</b>	3COM, San Diego, CA 1997

<b>Signaling</b>	
<b>Fiber Optic Links: Theory and Design</b>	ESPOL,1998
<b>WAN networks frame relay and ATM based</b>	TELCONET , 1998
<b>Configuring firewalls at the network and application level.</b>	TELCONET, 1998
<b>Configuring DNS, Send mail , HTTP, Secure Socket Layer, Proxy and SNMP agents</b>	TELCONET,1997
<b>Internet node administration</b>	U. Politécnica de Madrid, 1995
<b>ISDN links and other residential broadband Networks</b>	Computer Software, Miami,FL, 1996
<b>Programming Client/Server using JAVA</b>	ESPOL, 1996
<b>Programming scripts using PERL</b>	ESPOL, 1995
<b>Web site development</b>	ESPOL, 1996

## OTHER JOBS

<b>ESPOL 2003-Present</b>	ESPOL is a well known Polytechnic Institute in Ecuador	Associate Professor in Master of Science in Management Information Systems (MSIG)
<b>ESPOL (1998-1999)</b>	ESPOL is a well known Polytechnic Institute in Ecuador	Distributed System researcher using Java and CORBA tech.
<b>UNIVERSIDAD CATOLICA DE GUAYAQUIL (1997-1998)</b>	UNIVERSIDAD CATOLICA is a well know University in Ecuador	Client/Server architecture researcher.
<b>IMC (1995)</b>	IMC is a hardware company	Hardware maintainer and Software developer
<b>CESERCOMP (ESPOL, 1994)</b>	CESERCOMP is an ESPOL department that supports all the University hardware and software infrastructure.	Hardware and Software maintainer.
<b>FILANBANCO (1993)</b>	FILANBANCO is one of the biggest Bank of Ecuador	Researcher of OPP Technologies.