SUMMARY

Seyed Alireza Omranian

Email:	dm_rania@yahoo.com
Profile:	Male, 43
Nationality:	Iranian
Current Location:	Tehran,Iran
Current position:	Research Manager
Company:	Acom Ertebat Rain Ltd.
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EDUCATION

Feb 1992 - Feb 1995 **Khajeh Nasirreddin Tousi University of Technology** **Tehran, Iran**
Telecommunication Eng., Master of Science (MSc), GPA 17.94 from 20

Thesis Title: "Software Design, Implementation and test of Data Link Layer (Q.921) and Protocol Control Layer (Q.931) In ISDN"

Advisor: Dr. Ahmad Salahi

Sep 1985 - Sep 1990 **Shiraz University** **Fars, Iran**
Electrical Eng., Bachelor of Science (BSc), GPA 17.48 from 20

HONORS AND AWARDS

Sep 1999 First place at the 13th International Kharazmi Festival **Tehran, Iran**

LIST OF PUBLICATIONS

1995 ICEE (Iranian Conference on Electrical Engineering) **Tehran, Iran**
Title: Implementation of ISDN protocols across ISDN User/Network Interface.

1999 ICEE (Iranian Conference on Electrical Engineering) **Tehran, Iran**
Title: Design and Implementation of the internal data and signaling Network, in a High capacity Circuit Switched, Designed in ITRC. (Iran Telecommunication Research Center)

WORK EXPERIENCE

Sep 2007 - Present	**Acom Ertebat Rain Ltd.** *R&D Manager*	**Tehran, Iran**

• Requirement Analysis of Network Management System for a Tetra Network
• Design and Implementation of system software for IP-PBX system designed in Acomrain's laboratory.
• Software Design and Implementation for line cards in an IP-PBX system designed in Acomrain's laboratory.
• Design and Implementation of an embedded fingerprint identification system.
• Design and Implementation of IP telephony system according to Asterisk Telephony Solutions.

Sep 2001 - Sep 2007	**Comkar System Ltd.** *Signaling Network Manager*	**Tehran, Iran**

• Design, Implementation and Test of ITU Protocols software: BRI_ISDN, PRI_ISDN (Q.921 & Q.931)
• Design, implementation and test device drivers for RTOS Linux operating system.
• Design, Implementation and Test of analogue subscriber line control software in High capacity switch designed in ITRC (Iran Telecommunication Research Center).
• Design, Implementation and Test of digital subscriber line software in High capacity switch and test with Siemens ISDN standard telephone.
• Design, Implementation and Test of MTP2 software from Signaling System No.7 (SS7) according to ITU Recommendation Q.704
• Design, Implementation and Test of MTP3 software from Signaling System No.7 (SS7) according to ITU Recommendation Q.714
• Design, Implementation and Test of ISUP software from signaling System No.7 (SS7) according to ITU Recommendation Q.764
• Execute total Conformance test according to ITU Standards and accepted by Iran Telecommunication Research Center (ITRC).

Sep 1993 - Sep 2001	**Iran Telecommunication Research Center (ITRC)** *Researcher*	**Tehran, Iran**

• Design a proprietary fully-connected mesh and star Network .
• Designing, coding, and testing real time embedded applications.
• Design, implementation and test of ITU protocols.
• Design, implementation and test device drivers for proprietary operating system
• Design, Implementation and Test of Data and Signaling Network for High Capacity Switch designed in ITRC.
• Design, Implementation and Test of device driver software for the network hardware on different intelligent hardware designed in High Capacity Switch in ITRC
• Design, Implementation and Test of layer 2 software for the network of High Capacity Switch in ITRC according to ISDN ITU Recommendation.
• Design, Implementation and Test of layer 3 software for the network of High Capacity Switch in ITRC according to ISDN ITU Recommendation.

OTHER CERTIFICATES

2004	**Object Oriented Programming**	**Comkar System Ltd., Iran**
2005	**NGN**	**Comkar System Ltd., Iran**
2008	**Network Management System**	**Acom Ertebat Rain Ltd., Iran**
2009	**CCNA**	**Remis CO., Iran**

IT SKILLS

Programming & development
- C Programming   Expert
- C# Programming   Basic
- Embedded system programming   Expert
- Linux System Programming   Advanced

Web Design and Programming
- Php Programming   Intermediate
- Html Programming   Intermediate

Database Design and Management
- *MySQL*   *Intermediate*

Cisco Routers Administration / Cisco VoIP Switches Administration

IP-Based Telephony Systems Expert + Asterisk Telephony Solutions Expert
Operating Systems and Networking
- *TCP/IP networking and related services (DNS, DHCP, routing, ...)*
- *Linux, UcLinux, Microsoft Windows*

LANGUAGES

Persian (Farsi)	Native
English	Good Working knowledge