Name: Khawar Nehal

Date of Birth: 14 Feb 1972

Contact Information:
Email: khawar@atrc.net.pk
Address Information: Address: C-55 Block A KDA Officers City: Karachi
Post Code: 75260 Province: Sindh Country: Pakistan
Phone: +92 343 270 2932, +92 331 2036 422 Email: khawar@atrc.net.pk
LinkedIn Profile: https://www.linkedin.com/in/root1/

Professional Summary:
Experienced and accomplished Chief Technology Officer (CTO) with a strong background in Information Technology, Cybersecurity, and Project Management. Skilled in developing innovative solutions, managing complex projects, and delivering exceptional training. Published author and lecturer with expertise in various IT domains. Adept at building strong client relationships and driving business growth. Fluent in English and Urdu, with basic knowledge of French, Indonesian, and Malay. Currently based in Karachi, Pakistan.

Work Experience

Udemy Instructor

https://www.udemy.com/user/khawarnehal2/

Freelance Projects, MuftaSoft TM, July 2016 to Present, Karachi, Pakistan.

- Designed, developed, implemented, and sold a Disaster Recovery solution for Openstack and VirtualBox.
- Upgraded and enhanced the earlier shell scripting course.
- Developed the fastest file replication system and submitted it for patent pending.
- Developed a new type of pulse jet detonation engine and submitted it for patent pending.
- Conducting pyhon language trainings.
- Conducted feasibility studies for projects for potential customers.
- Led project design, implementation, and delivery for customers.
- Coordinated with other suppliers and workers for customer projects.
- Managed the quality of subcontracted project work.
- Successfully bid and implemented projects from freelancing sites.
- Designed, developed, implemented, and sold a state-of-the-art WIFI server with user still available detection, transparent relogin, and bullet-proof bandwidth management.
- Provided support and training for opensource systems.
- Integrated closed-source and opensource systems.
- Delivered seminars and training on cybersecurity.
- Prepared and delivered trainings on various topics, including DevOps, ITIL, ITSM, CMDB, SOC2, OWASP, ISO 27001, ISO 27002, ISO 27005, ISO 27017, ISO 27031, ISO 27032.
- Designed and oversaw the construction of solar power residential and agricultural projects, including a 100KW solar power system for an RO water plant producing up to a million gallons per day.

Lecturer, Jan 2020 – Dec 2020. University of Karachi.

- Taught Computer Architecture.

Trainer, April 2017 – July 2017. Multinet, Karachi.

- Conducted VoIP and Asterisk course training.

Trainer, Dec 2015 – June 2016. Zabeel Institute, Dubai, Sharjah, and Ras Al Khaimah.

- Provided corporate training for PMP PMI Project Management preparation and CCNA.

Trainer, November 2014 – June 2016, Broadpeak Consulting, Dubai.

- Conducted corporate training for Key Performance Indicators and Project Management.

Trainer, Oct 2013 to June 2016, Intech, Dubai.

- Delivered energy and soft skills corporate training.

Adjunct Lecturer, September 2013 – June 2014. Murdoch University, Dubai Academic City.

- Taught subjects: Operating Systems, Programming, Data Structures, Enterprise Architecture.

Trainer, November 2012 – June 2016, Quality Role, Dubai.

- Conducted soft skills and project management training.

Trainer, June 2012 – June 2016, Al Kamel Associates, Dubai.

Business Owner Dubai-computer-services.com, Jan 2012 – June 2016.

- A subsidiary of Applied Technology Research Center.

Business Owner CyberCoffee, July 2010 – March 2015.

- A subsidiary of Applied Technology Research Center.

Adjunct Faculty, Oct 2012 – Jan 2013, SZABIST, Dubai Academic City.

- Taught Computer Network Security and Ecommerce Marketing.

Linux Administrator, Nov 2007 to Nov 2009, Habl Consultancy, Dubai.

General Manager, Technical, June 2001 - Dec 2001, Instanet, Karachi Pakistan.

- Designed and implemented Billing, TDMA, IP Satellite, VoIP, SS7, GSM, Wireless, and ISP networks for a new country code.

Senior Program Coordinator, Assistant Registrar, Deputy Registrar, Acting Registrar, Registrar, December 2001 to Oct 2007, PIMSAT (pimsat.edu.pk), Karachi, Pakistan.

- Developed, implemented, and maintained the Digital Library facilities funded by HEC.
- Responsible for the improvement of faculty and curriculum.
- Prepared grant and funding proposals for various funding agencies, including EU, PTCL, British Council, HEC, and others.
- Designed, developed, and managed the integration of legacy and new systems.
- Managed CISCO Network Academy.
- Oversaw programs related to Board of Studies and the Academic Council.
- Implemented new management techniques for the selection of Faculty members.
- Managed IT systems and designed and implemented new systems for Accounting, Testing, Coordination, and Attendance.
- Developed research grant proposals.
- Setup and maintained the Cisco Network Academy and served as a Master Trainer.

IT Manager, Jul 1998 to Jan 1999, CubeXS Internet Services, Karachi, Pakistan.

- Troubleshot ISP services and conducted reliability testing.
- Reported to the CEO and GM on possible enhancements.
- Developed system designs required to launch new services.

Consultant, Jan 1997 - June 1998, ATRC.

- Provided network enhancement solutions to ISPs in Pakistan.
- Provided system integration for a Government Office.

Development Manager, July 1995 – Dec 1996, Acsys Limited, Karachi.

- Designed and developed a complete ISP Cyberaccess (Pvt) Ltd for the parent company Acsys Ltd, the first indigenously created ISP in Pakistan based on Linux.

Corporate Instructor, Jan 1995 - Jun 1995. The Education Center, Karachi, Pakistan.

- Conducted corporate training for Novell Networks, SCO, and AT&T Unix Administration and Networking.

Teaching & Research Assistant, Jan 1994 – Dec 1994.

FAST ICS, nu.edu.pk, Karachi, Pakistan.

- Managed student projects, assignments, and examinations.
- Prepared course outlines for elective courses.
- Prepared guidelines for paper submission for the South Asian Regional Computer Conference.
- Designed and implemented Graphics Labs from scratch.

Business Owner and Consultant, Feb 1992 to Dec 1993, THD ATRC, Karachi, Pakistan.

- Provided network enhancement solutions to ISPs in Pakistan.
- Provided system integration for a Government Office.
- Developed, deployed, and supported ERP/CRM/SCM and POS applications for clients.
- Provided Project Management and ICT training to clients and institutes.
- Developed and sold appliances for Internet and network services.
- Conducted Security Implementation and Audit of intensive E-commerce-driven applications.
- Provided administration, network management software, security, and value-added services to several ISPs in Karachi and Hyderabad.
- Implemented and optimized distributed squid-based servers for ISPs.
- Developed web-based CGI software.
- Created Fax and Email to voice software for US clients.
- Developed E-commerce courses as new offerings.
- Consulted with ISPs to provide additional services, including VPN software, comprehensive billing, and network management software.
- Conducted "Linux System Administration Training" for various educational institutes and centers.

- Provided support for Open Source Migration to multinational and government clients.
- Conducted Security Implementation and Audit of intensive E-commerce-driven applications.

Certifications, Publications, and Degrees:

Published Papers:

1. "Linux Platforms as a Secure Desktop Solution" - International Journal of Computer Applications Link: [Read Paper](#)

2. "The Evolution of the e-Learning Process and its Future" - Al Dar Research Journal For Sustainability Link: [Read Paper](#)

Degrees:

1. Masters in Computer Science from National University of Computer and Emerging Sciences (NUCES) Link: [View Degree](#)

2. Bachelors in Computer Science from Karachi University Link: [View Degree](#)

Schools and Courses:

- Karachi University: Applied Chemistry (Karachi, Pakistan)
- Institute of Business Administration: Systems Analysis and COBOL Programming (Karachi, Pakistan)
- Karachi American School: Class 7, 11, and 12 (Karachi, Pakistan)
- Jakarta International School: Class 4 to 6, 8, 9, 10 (Jakarta, Indonesia)
- Cant Public School: Class 4 (Karachi, Pakistan)
- Pakistan Embassy School: Class 1 to 4 (Jakarta, Indonesia)

Professional Memberships:
- Pakistan Software Export Board
- IEEE Karachi
- Project Management Institute Karachi
- LUMS TCS Human Resources Forum
- Trainers Resource Group
- Century 21 Business Forum
- TIE Dubai
- Dubai Chamber
- UAE Society of Engineers
- FPCCI
- KCCI

LinkedIn CV:

- Link: [View CV](#)

Certificates:

1. Project Management - Brainbench Link: [View Certificate](#)

2. CCNA Part 1 - Cisco Networking Academy Link: [View Certificate](#)

3. CCNA Part 2 - Cisco Networking Academy Link: [View Certificate](#)

4. Linux Administration - Brainbench Link: [View Certificate](#)

5. Unix Administration Solaris 9 - Brainbench Link: [View Certificate](#)

6. Internet Security Specialist - Brainbench Link: [View Certificate](#)

7. - Linux Professional Institute LPI.org Exam 101

Assessment Certificates:

1. CISSP Knowledge Assessment Link: [View Assessment](#)

2. CISA Practice Quiz Link: [View Assessment](#)

Other Certificates:

- Communications Strategy: [View Certificate](#)
- CSS Test: [View Certificate](#)
- Export Challenges: [View Certificate](#)
- Cloud Conference: [View Certificate](#)
- Java Test: [View Certificate](#)
- Services Exports: [View Certificate](#)
- Sales Tax: [View Certificate](#)
- Management of Supply Chain Risk in a Mega Construction Project: [View Certificate](#)

"Why Hire Me" Document:

- Link: [View Document](#)

Projects Done

ICT Related Projects:

- Artificial Intelligence for Banking: KYC, AML, and CFT.
- Digital Currencies Exchange Development.
- E-commerce with Warehouse Integration.
- DevOps: Agile, PMP, SDLC, Kubernetes, Jenkins, Docker, AWS, EC2, Appsody, and Kabanero.

Projects That Make Money:

- Recession Management Business Strategy Development for a Service-Based Client in the UAE.
- Development of Small and Large Scale Economically Feasible Solar and Wind Power Units for Sigma Energy.
- Internet Business Feasibility Studies for Investors.
- Supervising Research on Cost Competitive Solar Power Production.
- Designed, Developed, and Implemented 5 Cities VoIP-Based Satellite Network for Inter-cities and International Call Origination and Termination for the 93 Country Code.

Projects That Save Money:

- Development of Digital Banking Security Systems Based on High Security, Reliability, and Performance Experience Gained from the Internet and Telecom Industries. June 2017 and Ongoing Research.
- Researching Businesses for Alternative Energy in Bio-Diesel, Fusion, and Wind Power.
- Developed and Implemented Several ISPs' Customized Billing Software and Bandwidth Management.
- Outsourced IT Support Design and Implementation, LAN, and Printer Sharing Configuration for Cogent, Dubai.
- Design and Implementation of Solar Powered Agricultural Water Pumping Solutions for Farms near Nawabshab, Sindh.

Projects That Made Totally New Technology:

- Design, Development, Testing, and Production of the Fastest File and Device Replication System to Allow Extremely Fast Replication of a Virtual Machine for Disaster Recovery Purposes. This is 20 to 100 Times Faster Than Rsync, Which Was the Fastest Method Available for Files.

Projects That Save Time:

- Development Faster Deployment of Servers by Evaluating Various DevOps Technologies and Integrating the Best Open Source Software Available. Jan 2019 and Ongoing Research.
- Disaster Recovery of NAS Storage for Firefly in UAE.
- Remote Server Troubleshooting and Administration Services.
- Installation and Development of Automated Scripts for Backups. Linux-Based File and Print Server with Windows Client Integration. Design and Implementation of a Business Continuity and Disaster Recovery Plan for Data on the Linux-Based File Server and MS Exchange Server. Anti-virus Installation, Monitoring, and Management for the Entire Company. Relay Block List Removal for Company's MS Exchange Mail Server for a Reinsurance Company in Dubai.

Projects That Make Work Easier:

- IT Department Setup, Servers for Email, File Sharing, User Management, Automated Backups, and Continuous Monitoring for Ocean Superior. UAE, Bahrain, Saudi Arabia.
- Consultancy for Accounting and ERP Software for Burj Capital, Karachi, Pakistan.
- Development of Support Infrastructure for Open Source Collaboration Software.
- Implementation and Support for a Network-Based Fax System for a Client in the UAE.
- Implementation and Support for a Web-Based Invoicing System for a Client in the UAE.
- Oracle, Open Source Migration, and E-commerce Infrastructure Management Support for Companies Including: Shaheen Air Lines, Dollar Industries, HBFC, EOBI, and Herbion.
- Modified POS Software in Java and Netbeans to Meet Restaurant's Requirements. Added Wireless Printing to Kitchen Printer for Hubbly Bubbly in Dubai.
- Deployed POS for Nara cafe in Dubai.
- Integrated and Deployed Inventory and POS for Friendly Supermarket in Dubai.
- Modified and Deployed PHP POS Software to Meet Display and Printing Requirements for a Tailoring Shop in Dubai.
- Installed a Reliable Bridged WIFI with External Antennas for a Tablet-Based POS System for a Large Area Outdoor Seating Restaurant.

Projects That Build Relationships:

- Developed and Proposed the Idea of PSEB's Opensource Resource Center (OSRC).
- Organized the First Opensource Conference in Pakistan for IBM, PSEB, TReMU, ATRC, PIMSAT, and Ministry of IT from Concept to Finish.

Projects That Expand the Business:

- Development of Appliance Servers: NAS, Mail, Proxy, LDAP, and Backup.
- Developing and Maintaining Call Centers and VoIP Telecoms Networks for Several Investors.

Projects That Retain Existing Customers:

- Security Implementation and Audit of Intensive E-commerce Applications.
- Support for Open Source ERP/CRM/SCM/BI Systems for Organizations.
- Optimized and Secure Proxy Server Designs for Cybercafes.
- Security Policy and Implementation for ISPs.
- Linux and TCP/IP Training of System Administrators of Controller of Naval Accounts (CNA) on AS/400.
- BCMSN, CCNA, CCNP Course for British Petroleum Network Administrators.

Projects Which Attract New Customers:

- Supervising Feasibility Analysis of Elsbett Engine Redesign Costs.
- Support for Open Source ERP/CRM/SCM/BI Systems for Organizations.
- Development of E-commerce Courses as New Offerings.
- Open Source Migration Support and Training and Research for Large Scale Multinational and Government Clients.
- Provided Consultancy and Advice for Mobile Wallets and Payments from Kiosks to Instanet Dubai.
- ERP and CRM Installation and Startup Training for Aesthetic Interiors in Al Ain.
- SAMBA and Squid Proxy Server for Abahsain, Jebel Ali, Dubai.

Projects That Solved Specific Problems:

- Developed a MAC Address Based WIFI Server for Hotspots. Added Extreme Proxy Facilities and Utilization of Higher Speed CPUs and More Memory Than the Products Available in the Market. This Project Is a Product Developed for ATRC.
- Created a Software-Based System to Detect Stock Market Manipulation for the Securities and Exchange Commission of Pakistan (SECP).
- Troubleshooting of VoIP Quality Issues on Linux for a Call Center in Karachi.
- E-commerce Security Consultancy for Stock Exchange Companies.
- Designing and Configuration of HTTPS via Squid Based Reverse Proxy Servers on Linux for Outlook Web Access.
- Configuration Debugging for Micropoint's Cisco-Based IP Phones and IVR Telephony System in Dubai.
- Email Server Disaster Recovery for Safeer Group in Sharjah.

Projects That Made Companies More Competitive:

- Installed, Configured, and Continued Support for UAE's Telecom Regulatory Authority (TRA) Linux-Based Servers for Mail Relay, Reverse Proxy, Migration of MS Exchange to Kerio, Win AD Integrated SAMBA Server, Cisco ASA Firewall Configuration. Dubai and Abu Dhabi Offices. Complete Troubleshooting Support for MS Outlook-Based Clients Connecting to Kerio Mail Server.
- Installed, Configured, and Continued Support for aeCERT's Linux-Based Servers for Relay Server as a Front End for Exchange with SMTP Two-Way Relay, Reverse Proxy for Outlook Web Access, POP3 Relay Server, Cisco ASA Firewall Settings. Dubai.
- Provision of Analysis, Selection, Deployment, and Maintenance Services for ERP/CRM/SCM Systems for Woodwards Pakistan.
- Extremely Effective Implementation of a CRM System for a Client in UAE.
- Security Design, Implementation, and Continuous Monitoring for Organizations.
- Integration of MS Exchange Server with Linux-Based Mail Relays.
- Configuration of Windows and Apple-Based LAN Desktops and Internet Connectivity for Elseco in DIFC, Dubai.

Courses Taught at University and Corporate Levels:

- Computer security
- Secure programming and coding
- Ethical Hacking (CEH)
- Entrepreneurship
- Project Management
- Maintenance and Reliability Best Practices: Lowering Life Cycle Cost of Equipment
- Network Management and Security
- Marketing and Selling
- Operating systems
- Labor Union Management
- Software project management
- Software engineering
- Enterprise resource planning
- Economic evaluation of prospects and producing properties in oil and gas
- Search engine optimization
- Social Media marketing
- Internet Marketing
- Sales force automation
- Ecommerce
- Information and Communication Technology in Management
- Redhat RHCE/RHCT
- Linux professional institute (LPI)
- MS Office

- Staroffice/Openoffice/Libreoffice
- Web development
- Customer relationship management (CRM)
- Supply chain and logistics
- Final Semester Project
- LAMP Linux/Apache/Mysql/PHP
- PostgreSQL
- MS SQLServer
- Oracle
- Data communications
- Linux
- CCNA
- CCNP
- BCMSN
- Virtualization
- Cloud computing
- Funding for entrepreneurship
- Solaris
- Perl/CGI
- Introduction to Programming
- WAP Programming
- Unix
- Advanced Networking
- Computer Graphics
- Distributed operating systems
- Basic Reservoir Engineering for oil and gas.
- Basic oil and gas processing and production.
- Effective Record-keeping in Oil and Gas
- Fundamentals of oil and gas

Presentations, Trainings, and Papers Presented:

1. August 2022 – September 2022: Online Linux Training
2. March 2022 – April 2022: Online Linux Training
3. Oct 2021 – Nov 2021: Online Linux Training
4. Jan 2019 – Oct 2019: Computer Architecture at Karachi University

Trainings Conducted:

5. May – July 2017: Internet Services Training for Multinet Private Limited, Karachi.
6. 17 August 2016: "Best Practices and Recommendations on Cyber Security for Financial Institutions" at FPCCI, Karachi.
7. 5 – 9 June 2016: Electronic Filing Storage and Archiving for IPIC.ae of Abu Dhabi.
8. 1 – 5 May 2016: Purchasing and Contract Negotiations for Cement Company in Iraq.
9. 27 – 31 March 2016: Petroleum Upstream Course for Reinsurance company in Bahrain.
10. February – May 2016: Project Management Professional Training for Zabeel Institute, Internet City, Dubai.
11. November 2015 – February 2016: Project Management Professional and CCNA Training for Zabeel Institute, Ras Al Khaimah and Sharjah, UAE.
12. 11 October 2015 – 15 October 2015: Competency, Deipartis Consulting Nigeria (Training in Dubai).
13. 8 June 2015 – 11 June 2015: Advancements in Mechanical Engineering, Quality Role, Dubai.
14. 20 April 2015 - 22 April 2015: Public Procurement, Deipartis Consultants Nigeria (Training in Dubai).
15. 27 April 2015 - 29 April 2015: Sustainable Development, Deipartis Consultants Nigeria (Training in Dubai).
16. 15 Dec 2014 - 18 Dec 2014: Key Performance Indicators for Aldar Properties P.J.S.C, Abu Dhabi.
17. 9 Nov 2014 - 13 Nov 2014: Best Practices in Reliability Centered Maintenance, Albus Synergy Services Limited, Nigeria (Training in Dubai).
18. 18 Oct 2014 - 22 Oct 2014: Information Technology in Oil and Gas for Intech, Dubai.
19. 30 Sep 2014 - 11 Oct 2014: Facilities Engineering and Petroleum Depot Operations for Al Kamel Associates.
20. 20 Aug 2014 - 24 Aug 2014: Incident Investigation and Analysis, Intech, Dubai.
21. 17 Aug 2014 - 21 Aug 2014: Disaster Recovery Planning: Ensuring Business Continuity, Intech, Dubai.
22. 16 Feb 2014 - 20 Feb 2014: Trade Unionism, Al Kamel Associates.
23. 28 Dec 2013 - 4 April 2014: Software Architecture, Murdoch University, Dubai.
24. 28 Dec 2013 - 4 April 2014: Data Structures in C++, Murdoch University, Dubai.
25. 1 Sep 2013 to 28 Dec 2013: Operating Systems, Murdoch University, Dubai.
26. 7 Jan 2014: How to Use Social Media in Business, Internations Technology Discussions.

27. 29 Dec 2013 - 2 Jan 2014: Accident Investigation and Analysis, Intech Training for Saudi Aramco and GCCIA.
28. 30 Sept - 11 Oct 2013: Facilities Engineering and Oil Depot Operations, Camic Associates, Dubai.
29. 20 - 24 Oct 2013: Business Continuity and Disaster Recovery, Intech Dubai.
30. 16 - 26 Sept 2013: Oil and Gas Waste Management, Al Kamel Associates, Dubai.
31. 9 - 12 Sept 2013: Basic Reservoir Engineering, Al Kamel Associates, Dubai.
32. 19 - 30 Aug 2013: Oil and Gas Safety and Production, Camic Associates, Dubai.
33. 16 - 18 June 2013: Fundamentals of Oil and Gas, Al Kamel Associates, Dubai.
34. 15 - 23 Dec 2012: Economic Evaluation of Prospects and Producing Properties, Al Kamel Associates, Dubai.
35. 17 - 23 Nov 2012: Supply Chain and Logistics, Quality Role, Dubai.
36. 8 - 13 Nov 2012: Recordkeeping in the Oil Industry, Debanks Resources, Dubai.
37. 20 October 2012: Comparison of Different Energy Generation Techniques and Future Feasible Solutions Presentation for Pakistan Professionals Abroad Presentation, City Max, Dubai.
38. 15 - 25 October 2012: Effective Risk-Based Process Safety Management and Offshore Risk Management, Al Kamel Associates, Dubai.
39. October 2012 to January 2013: Network Security and Management, SZABIST, Dubai.
40. October 2012 to January 2013: E-commerce Marketing Strategies, SZABIST, Dubai.
41. 15 - 25 August 2012: Basic Oil and Gas Processing and Production, Al Kamel Associates, Dubai.
42. 13 May 2012: Presentation on CRM, Dubai Computer Services, Dubai.
43. 23 January 2010: Presentation on Linux Desktop Applications, QUA Institute, Karachi.
44. 9 January 2010: Seminar on BioDiesel, QUA Institute, Karachi.
45. 6 November 2009: Guest Speaker Session on BioDiesel at Dadabhoy Institute of Higher Education, Karachi.
46. 16 June 2009: IVR and CRM Technologies at Middle East Call Center Conference (MECC) 2009, Dubai.
47. 24 January 2009 to 14 Feb 2009: OpenOffice.org and Thunderbird Opensource Training for Shield/Pharmevo, Karachi.
48. Dec 2008: Project Management Professional Exam Preparation Training, Karachi.
49. June 2008: Linux Development Techniques Training for ETQM, Dubai, UAE.
50. Oct 2007: Linux Administration for Bank Islami IT Departments.
51. 6 June 2007 – 11 July 2007: RedHat Certified Engineer (RHCE) Linux Training for Century Insurance.

52. 5th June – 5th July 2006: Conducted a Month-Long Project Management Professional (PMP) Exam Preparation Course.
53. 7th January 2006: Windows and Linux Integration Technologies and Techniques Workshop for IT Managers. Managed by ATRC and PIMSAT.
54. 19-24th September 2005: Conducted a 5-day Training Workshop on Linux Kernel Internals and Kernel Programming for 70 Masters and PhD Teachers from Universities in Pakistan. Sponsored by PSEB, IBM, and NIIT NUST.
55. 27th June 2005: How to Create a Security Policy. Network Security Seminar sponsored by Barbed Wire Technologies.
56. 24th March 2005: The Future of Open Source at PAF KIET, Karachi.
57. 8th December 2003: Development of Information Technology Indicators at Higher Education Commission, Comsats, Islamabad.
58. 14th July 2003: Linux vs Proprietary Technologies at Computer Society of Pakistan.
59. 12th May 2003: Reasons for Wireless Networking Technologies at Network Academy, COMSATS, Islamabad.
60. 5th April 2003: Reasons for OpenSource. Sponsored by IBM, PIMSAT, COMSATS, TReMU, Government of Pakistan.
61. 28th July 2002: E-commerce Strategies at Iqra University, Karachi.
62. 25th August 2003: Academic Council, Curriculum Finalization.
63. 20th Nov 2002: Board of Studies, Curriculum Development.
64. 23rd September 2002: Faculty and Company Quality Improvement at PIMSAT.
65. 27th March 2002: How to Make an Internet Service Provider at PIMSAT.
66. 9th October 2001: E-commerce Opportunities at Institute of Business Administration, Sukkur.
67. 26th July 2001: Dot Net Technology, Pearl Continental, Karachi, sponsored by PIMSAT and Microsoft.

Seminars and Trainings Attended:

68. 8 – 12 Dec 2014: Communication Strategy, Dubai. JoeFine Consultants.
69. 23 September 2014: Management of Supply Chain Risk in a Mega Construction Project, Society of Engineers, UAE Headquarters, Dubai, UAE.
70. 2012 Global Entrepreneurship Summit in Dubai, U.A.E. 11-12 December 2012.
71. Telecom CEO conference, 14 May 2012, Abu Dhabi.
72. TEDxKarachi, 4 June 2010, Karachi.
73. FPCCI Islamic Banking Seminar, 7th September 2007.
74. SMEDA Training on Sales Tax Regulations for SMEs, 7th September 2007.
75. SMEDA Training of Trainers for Services Export, 22-23 September 2006.
76. January 2005: E-Banking Seminar by Total Communications.
77. February 2005: Call Center Investment Conference by Call Center Association.

78. April 2005: Call Center Training Seminar by PIMSAT and Eveready.

Interviews Appeared On the Following TV Channels:

79. ARY Digital: Karachi Chamber of Commerce Linux and Intellectual Property.
80. Business Plus: ICT Human Resources for Pakistan for 2015.
81. Indus News: Linux in Companies in Pakistan.
82. AAJ TV: Need for IT Security Policies.
83. AAG TV: Discussion on Universities and Human Resources in Pakistan.

Skills:

Natural Languages:

- English: Completely Fluent in Reading and Writing.
- Urdu: Fluent in Verbal.
- Basic French, Indonesian, and Malay.
- Learning Chinese.

Communications:

- Internet Services
- E-commerce
- ISDN
- Wireless LANs
- Satellite
- Radio Modems
- Telecoms
- Wi-Fi Networks and Interference Management
- Bandwidth Management and Billing

Information Technology:

- Virtualization (Xen, VMWare, Virtual Box, KVM, Qemu, V-Sphere)
- Openstack
- E-commerce Security
- Enterprise Resource Planning
- Customer Relationship Management
- Cloud Computing
- SQL, NoSQL
- Docker, Kubernetes, Vagrant
- Javascript, Node.js, ReactJS

- Software Licensing Models: Opensource and Commercial Software Licensing, Cloud-Based Licensing
- Azure, AWS, Google Cloud, Alibaba Cloud, IBM Cloud, Huawei Cloud

Networking:

- Practical Work and Training Experience in Areas Including CCNA, CCNP, CCIE, BCMSN, and Lucent
- Experience in RAS Servers from Cisco, Lucent, Linux-Based, 3Com
- RADIUS
- VoIP
- Bandwidth Accounting and Throttling
- WIFI Server Development

Cyber Security:

- Cyber Security Expert
- Cyber Security for Financial Systems
- Awareness of Money Authority of Singapore Cyber Security Policies
- Awareness of Risk Management in Technology Policy Document (RmiT) by Bank Negara Malaysia (BNM)
- Awareness of Securities and Exchange Commission of Pakistan (SECP) Guidelines on CyberSecurity
- Awareness of Banking Policies: Market Abuse Regulation (MAR), KYC, AML, MiFID, RmiT, BNM Policies, MAS Policies, SECP Policies, Fundamental Review of the Trading Book (FRTB), Basel IV

Computer Languages and Development Environments:

- Bash and Bourne Shell Scripting Expert
- Git-hub, Git, and Git-lab
- Java and Netbeans IDE
- Perl, C, C++, Java, Python, R, Golang/Go
- Python libraries : TensorFlow, NumPy, SciPy, PyTables, Matplotlib, plotly, pandas.
- Pascal Expert in Turbo Pascal, Borland Pascal, p2c, and fpc
- Lazarus IDE
- COBOL, dBase, FoxPro (Xbase)
- WML, WMLScript
- Visual Basic
- LabVIEW G Language
- Arduino C Programming
- Raspberry PI Programming

Operating Systems:

- MS-DOS, Windows (2.0, 3.1, WfWG, 95, 98, NT, 2000, XP, Vista, 2003, 2008, Slipstreamed XP SP3, Win 7, Win 8, Win 10, Win 11, Windows AME)
- Unix Variants: HP/UX, Solaris, SGI, SunOS, AIX, AUX, SCO, BSD, AT&T, Linux
- Main Frames: OS/400, REXX, JCL
- Micros: Mac OS, Amiga OS, Minix, Apple 2 (DOS and ProDOS)
- Linux (more than 30 distributions), Including: elementaryOS, EndeavourOS, MX, Arch, Manjaro, Kali, FreeBSD, Puppy, Rocky, Xandros, Arch, CentOS, Suse, RedHat, Ubuntu, GOS, DSL, Debian, Mandrake, Fedora, Knoppix, Mandriva, Slackware, Kali, MEPIS, Manjaro, PCLinuxOS, and Mint
- Legacy Mainframe Experience: IBM 4331, AS/400, RISC/6000, ICL DRS 6000, ICL ME-29
- Databases: MySQL, Oracle, MS SQLServer, PostgreSQL, PL/SQL, psql, xBase, FoxPro, ODBC, Perl::DBI
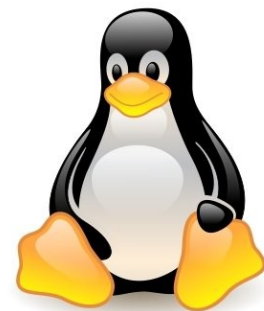
Countries Visited or Lived In: Hong Kong, Srilanka, Pakistan, Malaysia, Thailand, Singapore, Indonesia, Australia, Saudi Arabia, United Arab Emirates, United Kingdom

Documents and Certificates Available at:

http://atrc.net.pk/resources/khawar_documents/