**HUMAYUN KHALID KATHURIA**

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**SUMMARY OF QUALIFICATIONS**

* 5+ years of experience in the field of **IT Service Management** and **Project Management**
* Managed and supervised **Milestone-based IP CCTV system and network** consisting of 2,700+ cameras
* Managed and supervised **Alcatel-Lucent based IP Telephony** system (including **Unified Communications**)
* Relevant credentials/training: **ITIL® Foundation Certificate in IT Service Management, training on: Project Management for Professionals, Risk Management for Professionals**
* Languages: English (advanced level, IELTS Band 8.0), Urdu (native)
* Computer skills: **MS Office, MS Visio, MATLAB, basic image/video editing,** OpenProject**, Video Management System (Milestone) configurations, Network Management System (OmniVista 8770) for IP Telephones, PACOM GMS** for Access Control

**PROFESSIONAL EXPERIENCE**

**Telecommunications Engineer** May 2013 - present

King Fahd University of Petroleum & Minerals (Dhahran, Saudi Arabia)

* Project Management and Operations Management of the IT & Telecom systems
* Preparation of Project Charters and RFPs
* Evaluation of products and tenders
* System administration (including technical support) of CCTV, IP Telephone, Digital Mobile Radio (DMR), Access Control System, IVR.
* Attended extensive trainings on the respective systems (CCTV, IP Telephone, Mobile Radio, Access Control)
* Reviewing charters and RFPs for less-related projects and mentoring junior engineers on the preparation of project documents

**OTHER WORK EXPERIENCE**

**Research Assistant** Feb. 2010 - Feb.2013

King Fahd University of Petroleum & Minerals (Dhahran, Saudi Arabia)

* Conducted laboratory sessions for the following undergraduate courses
  + EE 201-Electric Circuits I
  + EE 204-Fundamentals of Electric Circuits
  + EE 400-Telecommunication Networks
* Assisted Professors in grading for undergraduate courses
* Got hands-on experience with the laboratory equipment

**Embedded Software Engineer** Sep. 2007 - Jun. 2009

4M Wireless (Lahore, Pakistan)

* Developed of Header Compression Protocols and Profiles for UMTS radio protocol stack layer, PDCP – 3GPP (UMTS-LTE) TS 36.323 v8.6.0 (Release 8), in ANSI C code
* Implemented **Robust Header Compression (ROHC) framework** (in conformance to IETF RFC 4995).
* Designed and added support for **Reverse Decompression** feature to the ROHC code.

**EDUCATION**

**Master of Science** (Canadian Equivalent evaluated by ICAS of Canada) 2012

Telecommunication Engineering

King Fahd University of Petroleum & Minerals (Dhahran, Saudi Arabia)

**Bachelor of Science** (Canadian Equivalent evaluated by ICAS of Canada) 2006

Computer Engineering

University of Management & Technology (Lahore, Pakistan)

**PATENTS (OUT OF MS THESIS)**

* M. A. Deriche, **H. K. Kathuria**, and Wessam Mesbah ‘COGNITIVE RADIO SPECTRUM SENSING WITH IMPROVED EDGE DETECTION OF FREQUENCY BANDS’, US Patent Number US9379924, *Patent Issued.*
* **H. K. Kathuria**, M. A. Deriche, and Wessam Mesbah ‘COOPERATIVE COGNITIVE RADIO SPECTRUM SENSING USING A HYBRID DATA-DECISION METHOD’, US Patent Number US9277413, *Patent Issued.*

**Canadian Licenses/Certifications**

* OACETT Member Number: 907699 (C.E.T application in process)
* CIPS Member Number: 20190030 (I.S.P. application in process)
* PEO application in process

**COMPUTER SKILLS**

* *Languages* **Python, C/C++, Assembly, Verilog HDL, VHDL**
* *Operating Systems* **Windows 7, Windows 10, Linux**
* *Tools* **MS Office, MS Visio, Microsoft VC++ Express, MATLAB,**

**OpenProject, Milestone XProtect VMS, Network bandwidth and video storage calculation tools, ALE OmniVista NMS, Hytera NMC, PACOM GMS, AutoCAD, Xilinx ISE, SymphonyEDA, MPLAB IDE, VeriWell, icprog,**

* *Microcontrollers* **PIC16F84A**
* *Embedded Platform* **Xilinx Spartan-3 FPGA Starter board, Olimex**
* *SVNs* **WinCVS, Eclipse, Tortoise**
* *Data Bases* **Oracle, PL/SQL**