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Jihad Dib

OBJECTIVE

Deadline-focused and experienced PhD. candidate and first-class honours graduate with over 8-years of experience in IT Management, Project Management, Development and Systems Design and Implementation seeking a new challenge.

COMPUTER SKILLS

Proficient in C, C++, C#, Python, VHDL, JAVA, .Net Core, ASP.NET, PHP, SQL (including SQL Server Management), CSS, Html, JavaScript, Assembly, VoIP, PADS Logic, Mentor Graphics, Eagle, SPICE, Wired and Wireless Networks, Cryptography and Network Security, Embedded Systems, Microprocessors, Windows Server, LINUX, Ubuntu, Debian, Raspbian, MacOS, Automation, Quartus, MATLAB and Simulink, TINA, Mathematica and AutoCAD.

Excellent demeanor of Microsoft 365 programs including Azure AD ,Microsoft365 Admin, Word, PowerPoint, Excel, Access, Flow, SharePoint.

LANGUAGES

Fluent in English, French and Arabic in the Oral as well as Written manner.
Beginner in Spanish and Japanese.

EDUCATION

Doctor in Philosophy (PhD.) In Electronic Engineering (Full Scholarship).

University of Kent (2018-2023) Canterbury, United Kingdom

Bachelor in Computer Systems Engineering (First Class Honors).

University of Kent (2015-2018) Canterbury, United Kingdom

Bachelor in Computer and Communications Engineering.

Lebanese American University (2008-2013 Transferred to the University of Kent) Byblos, Lebanon

Lebanese Baccalaureate II in General Sciences

Daughters of Charity Sec. School (2007-2008) Koura, Lebanon

Lebanese Baccalaureate I

Rawdat El Fayhaa Secondary School (1993-2007) Tripoli, Lebanon

WORK EXPERIENCE

Pearl Healthcare Group – IT Manager (2017 - Present), Canterbury, Kent, UK.

- Project Management: Managed software and hardware implementation projects at PHC, ensuring that GANTT Charts and deadlines were always met.
- Led the technicians' teams and trained them to properly install the network infrastructure (CISCO, and NetGear) without any prior experience and within the different Pearl facilities in England and the Isle of Mann.
- Led different software teams in implementation tasks ensuring different projects were fulfilled earlier than the proposed deadline and at a fraction of the original cost.
- Introduced complete remote management of the company's IT Department.
- Created the "IT protocols" which ensure that the SLAs are punctual and provide systematic solutions and actions to be followed in case of any IT issue to ensure swift and uninterrupted operation at the facilities.
- Trained and certified Pearl's technicians to maintain the Nurse-Call system and other IT systems.
- Network Infrastructure Design and Management: designed and managed the network infrastructure for the company, including the Wired Network, Wireless Wi-Fi network around the company's facilities and the clouded VoIP telephony system, Clouded PBX, and conferencing systems for the staff members.
- Systems Purchase and Maintenance: Made the final decisions on Systems and IT equipment purchase by comparing price quotations and negotiating the best possible offers, and the maximum savings.
- Staff Training: Trained Pearl's staff members on how to use the main IT systems used by Pearl.
- Implemented and monitored Pearl's IT Cyber Security systems and protocols in order to ensure that Pearl's IT systems, network, and data were impenetrable.

- Introduced an MDM (Mobile Device Management) system to the company in order to remotely manage all IT devices and prevent unauthorised usage.
- IT Equipment Purchase and Maintenance: Made decisions regarding the purchase of IT equipment and handled their maintenance.
- IT Diagnostics: Troubleshooting and diagnosing every IT System used by Pearl.
- Database Management: Managed Pearl's database systems.

University of Kent – Research Assistant (2020 - 2023), Canterbury, Kent, UK.

- AI-Based systems design and implementation.
- Microcontroller programming for different functionalities.
- Electronic Circuits design, and implementation.
- Providing guidance and advise to PhD. Researchers.

J-Telecom Lebanon (start-up) - Founder (2013 - 2023), Tripoli Lebanon.

- Founded the company.
- VoIP Gateway Deployment and Configuration: Deployed and configured three different Gateway systems: Asterisk, FreeSWITCH and VoIP Switch.
- SMS Gateway Deployment and Configuration: Deployed a proprietary SMS Gateway system.
- Website Design and Implementation (www.j-telecom.co.uk).
- Set-up VoIP Phones, and Clouded AI-Based IVR Systems for customers.
- Programmed and implemented Virtual Hosted PBX for customers with smart routing functions and error handling.
- Network Infrastructure Implementation and Management: Implemented and managed the network infrastructure of the company.
- Database Management: Managed all the company's database systems.

University of Kent – Demonstrator (2019 - 2023), Canterbury, Kent, UK.

- Lab Demonstration (leading lab sessions without supervision), mentoring and assessing (marking) third year and master's students in various topics:
VHDL, C/C++, Matlab, Image Processing, Digital Systems Implementation etc.
- Assisting course convenors in organizing course material and sessions.

Pearl Healthcare Group – Systems Administrator (2015 - 2017), Canterbury, Kent, UK.

- Network Monitoring: Implemented a network monitoring tool able to detect and identify issues without any additional cost to the company.
- House Automation System Implementation and Maintenance: Designed, implemented, and maintained a home automation system for the group.
- Designed, and Implemented the Petty Cash System (using PHP and MYSQL Database).
- Designed, and Implemented Attendance and RFID Door Access System (using JAVA, RFID, Raspberry PI, PHP and MYSQL).
- Designed, and Implemented the Equipment Booking System (using JAVA, PHP and MYSQL).
- IT Diagnostics: Troubleshooting and diagnosing every IT System used by Pearl.
- Systems Consultancy: Consulted every system requisition and purchase.
- Software Installation and Maintenance.
- Database Management: Managed Pearl's database systems.
- Web Design and Management: Participated in the design of Pearlhealthcare.com and its management.

University of Kent– Academic Peer Mentor (2016 - 2018), Canterbury, Kent, UK.

- Student Mentoring: Assisted students in programming, VHDL, and image processing courses.
- Mentoring Events Arrangement: Arranged different events such as APM open days and VR Events.

Books2Africa UK – Logistics (2015), Dover, Kent, UK.

- Book Referencing.
- Book Archiving.
- Data Input software installation and maintenance.

Ammar Electronics – Administration (2014), Tripoli Lebanon.

- Performance Tracking.
- Warehouse Checkups.
- Monitoring Accountants.
- IT Management and Support.

Alfa Telecommunications – Radio and Network Planning Unit (2013), Beirut Lebanon.

- Network Performance.
- Network Diagnosis.

- Network Planning, Frequency Planning.
- Site Survey, Drive Tests.

Touch Telecommunications – Network Planning Unit (2012), Beirut Lebanon.

- Network Planning, Frequency Planning.
- Site Survey, Drive Tests.

Rawdat El Fayhaa Sec. School Tripoli, Lebanon.

- Founded the Technology Club

AWARDS

- University of Kent V.S. Université Paris X Nanterre Robotics Competition (1st place).
- IET Award for Best Overall Design and Performance Undergraduate 1st Year Robotics Competition (1st place).
- Judges Award for Imaginative Software and Hardware Design.
- Saint Joseph University Science Fair (1st place) – Rawdat El Fayhaa Secondary School.
- Lebanese American University Science Fair (3rd Place) - Rawdat El Fayhaa Secondary School.

RELEVANT COURSEWORK

Training: Certified Nurse-Call Systems Trainer course – Bournemouth, United Kingdom.

Effective Communication Skills - Activia Training, London United Kingdom.

Approaches to teaching: Developing seminar teaching and increasing student engagement – University of Kent.

Courses: Image Processing and Biometric Security, Computer Security and Cryptography, The Robotics Project, Embedded Systems Design, PCB Design and Implementation, Digital Systems Design, Database Systems, VHDL Programming, COE Application (Mobile Programming), Software Engineering, Professionalism in Engineering, Artificial Intelligence, Machine Learning, Deep Learning, Database and the Web.

Projects:

AI-Based Socially Assistive Robotics (ABSAR) – Smart Positive and Negative Obstacle Avoiding Wheelchair at the University of Kent (Fully funded by the Engineering and Physical Sciences Research Council – EPSRC)

The Robotics Project – Advanced Line Follower (The Beast) at the University of Kent

Smart Collision Avoidant Wheelchair (S.C.A.W.) – University of Kent

Real Smart Home (R.S.H.) with Machine Learning (Multiprotocol and Multiplatform System) at the University of Kent

Continuous Signal Generation using VHDL – University of Kent

Remote Controlled Automated Delivery System (RCADS) – LAU Project

Automated Operations Room Management System (AORMS Software) for Hotel Dieu De France

Database Creation and Maintenance using ORACLE (Database Systems Final Project)

EXTRA-CURRICULAR ACTIVITIES

Reviewing Papers: IEEE Access Academic Peer Reviewer ([Publons Profile](#)).

Volunteering: LAU Ripples of Happiness project team leader, Les Jeux De La Francophonie Beirut 2009 – Senior Volunteer, Books2Africa UK – Volunteer.

Programming: University of Kent Robotics Project, Lebanese Army and LAU project, AORMS, RCADS Robotics Project, S.C.A.W. Project and R.S.H. Project, Pearl Systems Design and Implementation.

Painting: Won the Fabriano Competition (2nd place) : Lebanon and Canada.

Sports: Aikido (Black Belt Ikkiyu level), Basket Ball, Rugby, Soccer, Jogging and Diving.

Other: Reading, Researching, Project Management, member of the Institute of Electrical and Electronics Engineers (IEEE) , Member of the Institute of Engineering and Technology (IET), Member of the Internet Society (ISOC).

REFERENCES AND PROJECT DEMOS

Available upon request.