Akram Galal Mahmoud Ibrahim

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Objective: -

Telecommunication networks engineer seeking to join a successful organization, where my academic background and research experience are well developed in the industrial activities of networking, information technology and communications.

Education :-

- Sep 2017 – Present   : Ph.D. degree in Telematics Engineering, Department of Network Engineering, Universitat Politècnica de Catalunya (UPC) BarcelonaTech.

- Feb 2012 – Apr 2017   : M.S.c degree in Electronics & Communications Engineering, Faculty of Engineering and Technology, Arab Academy for Science & Technology and Maritime Transport (AASTMT).
  - Accumulative Grade: Excellent with Honor GPA (3.75).
  - Master Thesis   : Modeling of Green Networking for Edge Router of Service Provider Networks.

- Sep 2010 – Jun 2011   : 9 – Month Diploma, Information Technology Institute (ITI).
  - Platform: Computer Networks.

- Sep 2005 – Jun 2010   : B.S.c degree from the department of Electrical Engineering, Communications & Electronics Section, Faculty of Engineering, University of Alexandria.
  - Accumulative Grade: Good (74.85%).
  - Graduation Project : Analysis and Implementation of Ultra-Wideband (UWB) Communication Systems.
  - Project Grade   : Excellent.
  - The project won the award of Nahdet El Mahrousa Young Innovators' Awards (YIA) Program 2010.

Publications: -

- Akram Galal Mahmoud Ibrahim, Mohamed Essam Khedr, Mohamed Shaheen, "Power Consumption of Packet Processing Engines and Interfaces of Edge Router: Measurements and Modeling," The Twelfth International Conference on Networking and Services, ICNS, 26 – 30 June 2016, Lisbon, Portugal.

<u>Work Experience: -</u>

- Sep 2017 – Present   : Research Engineer, Universitat Politècnica de Catalunya.
  - Member of Design and Evaluation of Broadband Networks and Services (BAMPLA) research group.
  - Conduct research and development activities in computer networks engineering department.
  - Research interests span Software Defined Networks (SDN), Internet of Things (IoT), Fog Computing, Network Function Virtualization (NFV), and Nano-Networks.
  - Apply research principles and models, when conducting experiments and research activities.
  - Summarize research results and communicate findings to internal and external bodies.
  - Assess the scope of research projects and ensure projects are on time.
  - Develop technical documentation for all research projects.

- Aug 2014 – Aug 2017   : Solution Design Consultant, Tawasul Telecom.
  - Develop final design of customized solution and issue implementation diagrams.
  - Support and validate pre-sales customized solutions design during sales process.
  - Support sales staff with equipment's technology data related to technical specification, technical product assistance, costs, usage instructions and contract preparation.
  - Provide technical information of solutions requested by customer.
  - Provide guidance, direction and assistance in the resolution of customer issue.
  - Recommends optimum solutions, ensuring appropriate support for the proposed architecture and H/W at client premises.
  - Realization of customer's projects, responsibility for deliverable and leading project teams.
  - Deliver high quality product and architecture presentations and demonstrations.
  - Manage all technical issues and transfer knowledge to all targeted partners.
  - Contribution on responses to RFPs and RFIs.

- Jul 2011 – Jul 2014   : Enterprise Networks Engineer, TE Data.
  - Troubleshooting leased lines, MPLS VPN L2 & L3 issues of Enterprise Customers.
  - Configuring SHDSL local loop customers on ATM DSLAMs and IP DSLAMs (Alcatel, Huawei).
  - Troubleshooting physical problems of WAN devices L1, L2 and L3 modems like Telindus, Selta, Paradyne, Adtran, Zyxel, Ciscom, Aethra, Soho, Hattres EFM and Zhone EFM between customer's network and TE Data network.
  - Troubleshooting Routing problems (RIP, OSPF, EIGRP and BGP) between customer network and TE Data network.
  - Troubleshooting PE-CE configuration problems.

Professional Training: -

- May 2011 – Jun 2011: Customer Service Representative and Technical Support for TE Data account, Xceed.
- Jul 2008 – Aug 2008 : Alexandria National Refining and petrochemical Co. (ANRPC).
- Jul 2008 – Aug 2008 : El Nasr Electric and Electronic Apparatus Company (NEEASAE).
- Jul 2007 – Aug 2007 : Faculty of Engineering, University of Alexandria.

Technical Skills: -

- **Networking Concepts**
  - Designing Cisco Data Center Unified Computing (DCUCD 642-998 certified Apr 2016).
  - Cisco Certified Network Professional Routing and Switching (CCNPRS certified Apr 2013).
  - Cisco Certified Internetwork Professional (CCIP certified Sep 2012).
  - Cisco Certified Network Associate (CCNA certified Feb 2011).
  - Cisco Certified Design Associate CCDA course.
  - Juniper Networks Certified Internet Associate (JNCIA certified Sep 2012).
  - ADSL Technology course.
  - VPN Course.
  - HP Open View course.
  - Network Management course.
  - IP Multicasting course.
  - Cisco Certified Voice professional (CCVP) workshop 6 hours.

- **System Administration**
  - Microsoft Certified Technology Specialist Windows 7 Configuring (MCTS certified Mar 2011).
  - Microsoft Windows Server 2008 Server Administrator course.
  - Microsoft Windows Server 2008 Active Directory course.
  - Microsoft Exchange Server 2007 course.
  - UNIX Network Infrastructure "Sun Solaris Operating Environment 10" course.
  - UNIX Administration 2 "Sun Solaris Operating Environment 10" course.
  - UNIX Administration 1 "Sun Solaris Operating Environment 10" course.
  - Linux Operating System course.
  - Linux 5 and UNIX Solaris 10 OS workshop 6 hours.
  - Database Fundamentals (SQL) course.
  - International Computer Driving License (ICDL certified Jul 2007).

- **Communications and Electronics**
  - GSM and GPRS course.
  - MATLAB (I) and (II) course.
  - Good knowledge in Opnet Modeler and Omnet++.
  - Electronics and Atmel 8051 controller course.
  - Simulation tools: EWB, MULTISIM, Pspice8 and XILLEX.
  - Basic knowledge in Embedded MATLAB and HTML.
  - Telecom workshops in leading your career leading your society (Vodafone), Bibliotheca Alexandrina & Arab Academy for Science, Technology & Maritime Transport (AASTMT).

Languages: -

- Arabic (Native).
- English (Full Professional Proficiency).
  - Complete the conversation levels (3 out of 3) in "AASTMT".
  - General levels 'level 14 out of 20' in "AASTMT".
  - English for Engineers and American Accent Training in New Horizons.
- Spanish (Advanced Working Proficiency).
  - General levels 'Advanced B2.6' in "Instituto Cervantes de Alejandría, Egipto".
  - General levels 'Elementary A2.2' in "Escuela Montalbán de Granada, España".

Soft Skills: -

- Soft Skills in ITI.
  (Communication skills, Presentation skills, Project Management, Marketing Management, Interview skills, CV writing, Problem solving & Decision Making, Time Management, Team Building)
- Effective Communications and Human Relations in business in Faculty of Engineering with the American company "Dale Carnegie" assisting.
  (Self confidence, people skills, communication skills, flexibility, Leadership)
- Enhance your Career in Faculty of Engineering with New Horizons assisting.
  (Essential Business Communication Skills, Leadership & Team Building Skills, Technical Skills, Career skills)
- Soft Skills in Zedny (Your Interpersonal skills).
  (Time Management, Leadership, 7 Challenges, Life Planning, Mind Mapping, Negative Emotions)
- Soft Skills for Engineers in New Horizons.
  (Presentation Skills, Interview Skills, Communication Skills, Time Management, Stress Management, CV writing, Academic Writing, E-mail Writing and Customer services)
- Start professional in Faculty of Engineering with ITI assisting.
  (Personal effectiveness, Presentation Skills, CV writing, Team Building and Time Management)
- Leading your career leading your society with Vodafone assisting. (Presentation Skills, Interview Skills, Hands on Résumé & interview and Career Management)

Activities: -

- Member in the Organizing Committee of Future Promise Since 2010.
- Member in Egyptian Debates Club (EDC) 2010.
- Member in field team of SIFE (Students In Free Enterprise) Alex Loofah Project 2010.
- Delegate in the Model of the American Congress (MAC ALEX) 2010.
- Participant in Stand UP Against Poverty campaign Alexandria 2009.
- Member in Guinness World Record Organizing Committee (GWR) of AlexFest 2009.
- Delegate in Alexandria International Model Arab Leagues "AIMAL" 2009.
- Delegate in Alexandria International Model United Nations "AIMUN" 2009.
- Guest in Rotaract Alexandria Ramleh Club for 3 months 2009.
- Student member in IEEE since 2006.

Personal Skills: -

- Reliable and organized.
- Punctual and honest.
- Hard worker and ability to work among a group or individually according to job requirements.
- Meet deadlines.
- Ability to work under pressure.
- Advanced Research Abilities.

Interests and Hobbies: -

- Hiking and Jogging.
- Travelling.
- Reading.

Personal information:-

- Date of Birth   : 21 –5 – 1988.
- Nationality   : Egyptian.
- Marital status   : Single.
- Military status   : Exempted.
- Driving license   : Valid.

References: -

- Available Upon Request.