

Ahsan Zafar

Pakistan Engineering Council Reg. ELECTRO-15515

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Career Objective

I am passionate to work in a challenging environment that can enhance my knowledge and polish my skills for the best results.

Areas of Interest

- Power Electronics
- Control Systems
- Machine Learning

Academic Qualification

- **MS. Electrical Engineering** **Ongoing since Fall 2015**
CASE, Islamabad (Affiliated by UET Taxila)
- **BS. Electronic Engineering** **2006-2011**
International Islamic University, Islamabad

Experience in Academia

Centre for Emerging Sciences Engineering and Technology, Islamabad

Organization Type: Academia Sep 2014 to contd... (more than 27 months)

Designation: Lab Engineer (EE)

Major duties

- Lab manager for Microprocessor/ Controller and Power Electronics Lab.
- Lab manager for Integrated Electronics Lab.
- Lab Instructor for
 - Electronic Devices and Circuits Designs
 - Electromagnetic Field Theory
 - Control Systems

Job Description:

Additional tasks performed

- Member of Quality enhancement cell.
- Additional sports coordinator.
- Equipment testing. (for newly purchased Lab equipment)
- Invigilation during midterm and final term exams.

Zeb Fortunes Private Limited, Rawalpindi

Organization Type: Academia Apr 2014 to Aug 2014 (4 months)

Designation: Senior Teacher

- Teaching Science Subjects up to FSc level
 - Physics
 - Mathematics
 - Chemistry
 - Computer

Job Description:

I have been giving tuitions to the students of Matric & FSC (Federal, Abbottabad and Rawalpindi boards) since 2007

Experience in Field Work

Tarbela Power Station, Tarbela Dam

Organization Type:	Power Generation	Dec 2012 to Dec 2013 (12 months)
Designation:	Trainee Protection and Instrumentation Engineer	
Job Description:	<ul style="list-style-type: none"> ➤ Monthly and Annual maintenance and troubleshooting of 3 phase generators and transformers (Power, Auto, CT. PT). ➤ Testing, calibration and troubleshooting of Protective relays of 3 Phase AC generators (175 & 432 MW), Power Transformers (79 & 160 MVA single phase), as well as Auto Transformers and transmission lines. ➤ Maintenance and Troubleshooting of Rotary Excitation System (Hitachi Made) and Static Excitation System (Canadian General Electric (CGE), Made). ➤ Testing, calibration and troubleshooting of Thermal gauges indicators, pressure and flow switches installed at generators and transformers. ➤ I took part in Governor's up gradation project of GE in coordination with Albario Engineering (pvt.) Ltd at Tarbela power Station. In this project old Electromechanical Governors of WOODWARD are being replaced with advance Mark*Vle systems. 	

Radio Buraq FM 104, Islamabad

Organization Type:	Broadcasting	Oct 2012 to Dec 2012 (2 months)
Designation:	Junior Master Control Room Operator	
Job Description:	<ul style="list-style-type: none"> ➤ Tracking and monitoring the whole network and IP links for avoiding any sort of disorder related to hardware and software as well as team. ➤ Providing first level technical support in coordination with IT&B engineer to local and regional studios. ➤ Monitoring and managing data center environment with escalation to IT&B Engineer ➤ Managing issues related to transmission schedule according to SOP. ➤ Regular data and information sharing and archiving the data. 	

Injection System Private Limited, Gadoon Amazai

Organization Type:	Manufacturing	Sept 2011 to Oct 2012 (13 months)
Designation:	Electrical and Electronic Engineer	
Job Description:	<ul style="list-style-type: none"> ➤ Task Management. ➤ Maintenance and trouble shooting of production plant. ➤ Repairing of Electronic cards and low voltage components. ➤ Making modification as per requirement for optimizing results. ➤ Maintenance and troubleshooting of backup power source. ➤ Technical support for the issues related to lighting, cooling and air conditioning (HVAC) system. ➤ Managing Quality control issues and tasks schedule to meet targets. 	

Certifications and Workshops

Title	Organization	Year
3G MW Certification	Huawei, Islamabad	2014
3G WCDMA Certification	Huawei, Islamabad	2014
Certified Associate in PLC & SCADA	SEECS, National University Sciences & Technology	2013
English Language Course	British Language Centre Topi, Swabi	2005

Seminars Attended

Title	Organization	Year
Seminar on Fiber Optics	SINA Institute of Networks and Aesthetics	2016
Entrepreneurship & Basic Supervision of Construction Projects	Pakistan Engineering Council	2016
Project Management Practices	International Islamic University Islamabad	2007
Telecom Companies Profile and their Swot Analysis	International Islamic University Islamabad	2007

Software Tools

- Engineering Design and Simulation Tools: PSPICE, MATLAB, AutoCAD
- Programming Languages: C, C++
- Other Tools: MS Word, Excel, Power Point, Outlook, Movie Maker

Skills

- Sound knowledge of Digital and Analog Electronics Systems.
- Sound knowledge of hydel power generation systems.
- Good understanding of Engineering Drawings, Schematics and Circuits.
- Good managerial skills
- Strong oral and written communication with good interpersonal skills.

Language	Proficiency
English	Very Good
Urdu	Excellent

Language	Proficiency
Pashto	Good
Punjabi	Good

Profile:

- Father name: Zafar Iqbal
- Date of birth: 7th May 1988
- CNIC: 16202-9240016-9
- Passport: BR5520161
- Driving license: LTV 00340937
- Domicile: Punjab (Sargodha)
- Religion: Islam
- Nationality: Pakistani
- Permanent address: House No. 206, Street No. 6, Javed Colony 49 tail PAF road Sargodha.