



MUHAMMAD AMIR KAHN

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Objective:

To have a growth oriented and challenging career, where I can contribute my knowledge and skills to the organization and enhance my experience through continuous learning and teamwork.

Work Experience:

May 2017- Present Zeeshan Electronics & Communication Engineers

Product Engineer/ Technical Marketing Engineer.

Roles and Responsibilities:

- Provide on-site installation and commissioning of Machinery/ instruments, Troubleshooting, service and repairs, Provide high level technical support to external customers at their location and Provide on-site training to the customers.
- Interface with cross functional work teams such as field applications, customer support/services, manufacturing and marketing/sales,
- Provide pre-sales and post-sales support services and provide technical back up as required. Search for new clients who might benefit from company products.
- Create and complete bids, estimations, quotations based on customer specification, requirement/budget to achieve both market competitiveness and high margins for the company.
- Manage the preparation of all technical (e.g. defining the most suitable technology and product type(s)), financial (e.g. total price sheet, cash flow analysis) and project management (e.g. quantifies hours of engineering and commissioning) aspects of the bid, estimate, quotation, indicating price and trading condition.
- Misc. other duties commensurate with the capabilities of a Field Service Engineer

June 2016- May 2017 National Institute of Electronics

Internship (Electronics design Engineer)

Roles and Responsibilities:

- Design capture, physical layout and verification of digital, analog and mixed-signal integrated circuits.
- Design schematics and layouts for multi-layer high-speed PCB.
- R&D and Embedded system design.

Feb 2016 – June2016 Shifa International Hospital

Internship at Bio-Medical Engineering Department

Roles and Responsibilities:

- Maintenance and troubleshooting of biomedical equipments clinically as well as technically.
- Handling technical & operational activities of installing biomedical equipments.
- Provide training to new nursing staff on medical equipments installed in ICU.
- Maintain the documentation for biomedical equipments.
- Coordination with service personnel of various medical equipment companies.

Education:

- 2012-2015** **Master of Science (M.Sc.)**
(Electronics)
Quaid-i-Azam University, Islamabad.
- 2009-2011** **Bachelor of Science (B.Sc.)**
(Computer Science, Physics)
University of the Punjab, Lahore
- 2007-2009** **Higher Secondary School Certificate (ICS)**
(Mathematics, Physics, Computer Science)
Federal Board of Intermediate and Secondary Education, Islamabad

Training:

Certificate: Industrial Automation Process (PLC, HMI and SCADA)

Institute: National Institute of Electronics

PLC: OMRON and SIEMENS S7-1200

HMI: DELTA

SCADA: TRACEMODE

VFD (Variable Frequency Drive)

Skills:

- Installation, commissioning, Troubleshooting, service and repairs of Machinery/ instruments.
- Technical sales and Marketing.
- Good understanding of PLC Programming ladder logic and all aspects of inputs and outputs of the system, HMI programming and its interaction with PLC.
- Design capture, physical layout and verification of digital, analog and mixed-signal integrated circuits.
- Proficient in the use of Mentor Graphic and Cadence tools for Capture, simulation, synthesis, physical Layout and verification.
- Extensive knowledge of PCB layout and design principles. Good understanding of multilayer PCBs. Proficient in the use of Cadence OrCAD tools. Sound familiarity with fabrication and assembly processes.
- Extensive knowledge of Microprocessor Based Design i.e. Microcontrollers and Arduino and embedded system.
- Capable of learning new techniques and technology as they are discovered.
- Flexibility and Adaptability to work in any environment.
- Leadership abilities needed to instruct a group of employees in a specific task.
- Excellent problem solving abilities. Solid observational and Analytical skills.

Software:

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|--------------------------------------|---------------------------|
| ✓ EDA tools(Mentor graphic & Cadence | ✓ Visual C++ |
| ✓ PCB design Software OrCad | ✓ Modelsim |
| ✓ CX Programmer | ✓ MikroC for pic |
| ✓ Screen Editor (HMI) | ✓ Keil simulator |
| ✓ Trace Mode(SCADA) | ✓ Matlab |
| ✓ SIMATIC S7 | ✓ MS Office (WORD, EXCEL, |
| ✓ Total Integrated Automation (TIA) | ✓ POWERPOINT, ACCESS) |
| ✓ Arduino | |

Extra Curricula Activities:

- ✓ Vice President of ELECTRONICS STUDENT SOCIETY (ESS) of Quaid-E-Azam University.
- ✓ Team member of Electronics department cricket team.
- ✓ Volunteer work for fundraising for flood victims of Pakistan.

Reference:

Will be furnished on demand