

2024

# Curriculum Vitae

**MUHAMMAD ZAIN-UL-ABEDIN**

ELECTRICAL ENGINEER

PAKISTAN CIVIL AVIATION AUTHORITY



## MUHAMMAD ZAIN-UL-ABEDIN

### ELECTRICAL ENGINEER

with teller record of installation, operations and maintenance services. Primarily focused on power systems, automation systems of conveyors, S2S3 X-Ray Machines and networking.

Excellent interpersonal and communication abilities and possess wide range of technical skills. Enjoy being a part of team as well as managing, motivating and training a productive team and thrives in high pressure and challenging working environments.

### OVER VIEW OF 10 YEARS FIELD

#### CONTACT

0302-7276684  
0333-6108864

zain.isp786@gmail.com

Main Street, Isb View  
Colony, Near Masjid  
Ali Murtaza, Dhok  
Mustaqim, Dispensry  
Rawalpindi

#### Electrical Support Engineer.

Pakistan Civil Aviation Authority (Sep 2016 ~ Sep 2022)  
Islamabad International Airport

#### MEP Engineer.

Xinjiang Beixin Gammon Pak JV Pvt. Ltd. (Sep 2015 ~ Sep 2016)  
Islamabad International Airport

#### Computer Lab Incharge.

Institute of Southern Punjab Multan (Aug 2012 ~ Aug 2015)  
Operations and Maintenance of IT and Networking

### EXPERTISE WITH 10 YEARS FIELD

Potential of handling installation, operation and maintenance in an effective manner by leading team.

- Assuring and updating all BHS (Bagging Handling System) Operation & Maintenance and equipment functionalities to CAA Islamabad (Civil Aviation authority) with professional reporting.
- Working on Automation, and HMI / SCADA, to manage the operations & maintenance of Baggage conveyors, ATR's, Fire Curtains, Security shutters, Vertical & Horizontal diverters, makeup & reclaim carousels, photo sensors and X-rays system, integrated and associated with BHS.
- Understanding of network configurations in plant containing multiple servers, connected with field devices via fiber optic and Ethernet.
- Knowledge of Standard-2 and Standard-3 SCE equipment, working and calibration levels as per design.
- Installations of following System devices and structural.
  - Electrical: Switchgears, Motors, Automatic Change-over Switch (ATS) Drives.
  - PLC/SCADA: Siemens S7-200, S7-400, Relay Logic, Profinet,
  - Field Devices: WLAN, MATV, CCTV, RADIO, SMIS, FIDS, MECS, Video wall, Dish Antennas, cable trays, cable laying, cable dressing, phase plates, earthing strips and lightening arrestors.
- Inside the Panels: Cable terminations as per PLD's, ABBAF contactors, Phoenix contact relay modules (ELRs) motors drive unit sand voltage protection devices, PLC Modules and other necessary components in RIOs PDPs & MCPs.
- Capable of calibrating ATRAXS cable systems and other load cells.
- Able to work on all documentations regarding IR's, MIR's, DJR's, user manuals preparation and other related to project operations.
- Able to work on ladder logics of PLCs (Siemens 400 sand 200s, Rock well and Fatek) in order to keep the system in automation mode.
- Able to configure motors, drive units with provided parameters in Lenze and Proneta software.
- Excellent capacity of reading and implementing professional diagrams and instructions for electrical panels/construction work or equipment handling.

#### EDUCATION

**BS** 2012 ~ 2016  
**Electrical Engineering.**  
Southern Punjab University  
Multan 3.00 CGP

**DAE Electrical** 2005~2008  
Punjab Board of Technical  
Education Lahore 73%

**Matric (Science)** 2005  
Board of Intermediate &  
Secondary Education Multan  
56%

#### IT SKILLS

SCADA Operations  
& Maintenance

Troubleshooting  
Networking  
MS OFFICE

## PROFESSIONAL EXPERIENCE

### Personal Information:

**Father Name:**

Muhammad Zareef Malik

**Marital Status:**

Married

**CNIC:** 36302-5304196-9

**DOB:** 28<sup>th</sup> Aug 1988

### LANGUAGES

English

Urdu

Saraiki

Punjabi

### HOBBIES

Reading Holy Quran

Travelling

Music

Reading Books

### Reference:

**Khalid Nawaz Khan.**

Interface Manager  
Acrux Technologies Pvt. Ltd.  
0333-9991949

**Muhammad Zaffar**

Project Manager  
Xinjiang Beixin Gammon Pak  
JV Pvt. Ltd. Pvt. Ltd.  
0300-7370026

**Saqib Nazir**

Managing Director  
Institute of Southern  
Punjab Multan  
0345-5566660

### Electrical Support Engineer.

**Pakistan Civil Aviation Authority c/o Acrux Technologies Pvt. Ltd. (Sep 2016 ~ Sep 2022)**  
**Islamabad International Airport**

#### Plant Operation & Maintenance Phase:

- Performing all BHS airport operations & maintenance at IIAP, as per provided schedule under supervision of Civil Aviation Authority:
- HMI/SCADA Management, in order to verify functionalities of baggage conveyors, ATR's, Fire Curtains, Security shutters, Vertical & horizontal diverters, makeup and reclaim carousels, photo sensors repairs/calibration replacement, and X-rays.
- Manage observations and reporting system of installed equipment i.e. Power & Networking loops, Motors repairing & configurations, Electrical Panels, conveyor belts, rollers & side guards, shaft, barring also repairing/ replacing of internal moving and static parts during Predetermined, Preventive, Corrective, Condition-based, Predictive and Reactive Maintenance of BHS.

#### Plant Installation Testing & Commissioning Phase:

- Worked with Acrux Technology during BHS installation, testing & commissioning and SAT phase:
- Performed logical functionality tests on daily basis for SAT and airport operations, as per provided schedule under supervision of LEONARDO (group ITALY).
- Conducted marking of BHS according to drawing and specifications during project installation phase.
- Supervision of mechanical mezzanine structural installation of BHS equipment.
- Suggested mechanical adjustment and proper placement of conveyor system.
- Supervised installation of photo sensors, MCP's, PDP's, and RIO's.
- Calibrated photo sensors and load cells based conveyors as per client's SOP.
- Supervised FR cable, Fiber cable, Profinet, Ethernet, Fiber & Profibus cable laying dressing & terminations, conduct MIR's and IR's of special system devices.
- Coordinating between contractors, clients, & sub-contractors for integration of SMITH Detection and MORPHO X-rays machines, Fire curtains with BHS.
- Verified and rectified power cable terminations in RIO's, MCP's, PDP's, and Operator controllers

### MEP Engineer.

**Xinjiang Beixin Gammon Pak JV Pvt. Ltd. (Sep 2015 ~ Sep 2016)**  
**Islamabad International Airport**

- Supervised cable pulling activity & installed cable trays at FCR, ATC and RRB.
- Marking, placing and tagging of firefighting points at different locations of ATC, FCR & RR Building & Installations of earthing strips for lightening protection.
- Installation of B2, F1, F2, F3, B14 lights at RRB, FCR and ATC tower.
- Conducted IR's for installed equipment as per documentation approved by CAA.

### Computer Lab Incharge.

**Institute of Southern Punjab Multan (Aug 2012 ~ Aug 2015)**  
**Operations and Maintenance of IT and Networking**

- Worked as a computer lab incharge to oversee computer lab operation and maintenance and networking issues.
- Conducted lab classes as per provided schedule.
- Supervised and maintained computer based exams e.g NTS,OTS,ICAP and ACCA exams.
- Troubleshooting and resolving malfunctioning IT Hardware and Software.