

Hamza Ahmad Khan

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SUMMARY

A solution-oriented Mechatronics Engineer with high proficiency in technical writing and drawing skills. Having vast experience under my belt, I have successfully led multiple teams and accomplished several tasks without ever missing a deadline.

WORK EXPERIENCE

SKM AIR CONDITIONING LLC

May '18 - Present

Location: **Sharjah, United Arab Emirates**

Designation: ***Assistant Design Engineer***

Job Duties:

- Responsible for complete Mechanical design of SKM's Standard as well as Customized units like Chillers, Air handling units, Package units and Condensing units.
- Responsible for creating 2D drawings for shop floor and generating DXFs for fabrication. (Sheet metal, Fabrication & Piping drawings).
- Responsible for creating piping designs and releasing 2D drawings to the shop floor for fabrication.
- Responsible for designing Structural base-frames and generating 2D drawings for outsourcing with item-codes.
- Responsible for generating complete Bill of Material for Chillers, Air handling units, Package units and Condensing Units.
- Responsible for generating part numbers for standardization and optimization of SKM products.
- Responsible for Utilization of Ageing material in the stock.
- To solve problems on shop floor by working closely with production supervisor involved in Fabrication, Sheet metal, Assembly and Testing area.
- Involved in providing optimum design at minimum cost.

LIN SCAN Advanced Pipelines and Tank Services'

March '17- May '18

Location: **Sharjah, United Arab Emirates**

Designation: ***Mechanical Design Engineer***

Job duties:

- Was responsible for designing new 3D models of Inline Inspection Tools mainly MFL, TFI, Caliper, UT and Cleaning Tools and generating 2D drawings for the above mentioned tool assemblies and their parts.
- Was responsible for making 2D simulations to represent the working of tools in pipeline.
- Was responsible for calculating forces, stresses and pressure acting on each part of the tool when it was inside the pipeline acting under both mediums – Oil and Gas.
- Prepared bills of materials for finished mechanical assemblies and all parts, and to either acquire or generate all required technical product data sheets.

Huzefa Engineering Services (Pvt) Ltd.

Dec 16'-Feb 17'

Location: **Pakistan**

Designation: ***Project Engineer***

Job duties:

- Completed engineering projects by organizing and controlling project elements.
- Developed project objectives by reviewing project scope of work.
- Determined project specifications by studying job design, customer requirements, and performance standards.
- Determined project schedule by studying project plan and specifications, calculating time requirements, sequencing project elements and maintained project schedule by monitoring project progress, coordinating activities, resolving problems.
- Maintained safe and clean working environment by enforcing procedures, rules, and regulations.

Huzefa Engineering Services (Pvt) Ltd.

Sept 14'-Nov15'

Location: **Pakistan**

Designation: ***Assistant Project Engineer***

Job duties:

- Assisted Project Engineer in overall management of a project.
- Maintained customer relations including project meetings, site visits and project related correspondence.
- Maintained logs of all the subcontractors and reported back to Project Engineer.
- Handled all the staff related problems as instructed by Project Engineer.
- Ensured every worker maintained safe and clean working environment.

ACHIEVEMENTS

- Was declared the 'Employee of the Month' for 3rd Quarter of 2019 by the management of SKM Air Conditioning LLC for successfully implementing Part Numbers in AHU Design to reduce number of drawings.
- Have successfully made many smart 3D generic models.
- Designed standard sheet metal fan frames.
- Successfully implemented summary list in piping drawings and sheet metal drawings to calculate the total weightage of copper pipes with total length and the total area of sheets with different thickness respectively.

EDUCATION

SZABIST (Shaheed Zulfiqar Ali Bhutto Institute of Science and Technology)

One of the top three universities in Karachi, known for affiliation with international universities and their business, media and engineering programs.

Degree: **Bachelors of Mechatronics Engineering (BE-Mechatronics)**

Graduation: August 2014

- **Final Year Project:** Automated PCB designing machine

SKILLS

- **Designing Software:** Solidworks, Autodesk Inventor , AutoCAD
- Communication
- Decision Making
- Self-motivation
- Leadership
- Teamwork
- Proficient at using Microsoft Office
- Ability to Work Under Pressure
- Time Management
- Conflict Resolution
- Adaptability
- Creativity