# Personal Details:

Nationality: Philippine

Family Status: Married

Current Location: Riyadh, Saudi Arabia.

Can Start Work: Immediately, Transferable Iqama

Current Salary: Hidden

# Education:

# Bachelor of Science in Mechanical Engineering – Technological Institute of the Philippines

# with (85% / 3.2 GPA) Graduated (March 26,1988)

# Jun 1985 – Mar 1988

# Mechanical Engineering – Virgen Milagrosa University Foundation

# GPA: 85% / 3.3 Reach 2nd Semester of 2nd year (Undergraduate)

# Jun 1979 – Mar 1983

# Secondary School – Malasiqui Catholic High School

# GPA: 83% / 3.0 Graduated

# Affiliations:

# I.T. SKILLS:

# MS Office:

# MS PowerPoint 2010

# MS Word 2010

# MS Excel 2010

# AutoCAD 2013-MEP 2017

# Mechanical-Revit, CAD

# Professional Profile:

A very experienced Mechanical Engineer with 14+ years’ invaluable experience in successfully overseeing and completing projects from conception to completion with standard codes (ASHRAE, NFPA, ASTM, API, SMACNA, and Plumbing codes). Having a proven ability to improve efficiency by finding solutions to complex customer problems to all tight work schedules for the maintenance sector working on multiple assignments in the Middle East (Jeddah, Riyadh, Dammam, and Al Khobar). Seeking a responsible and challenging career in the Electro-Mechanical discipline for external/internal services (building constructions, MEP works (infrastructures), irrigation and pipelines, methodology of mechanical inspection) with a team of professionals that I can enhance my skills and qualifications to develop past experience and implement knowledge and skills through a creative challenging work environment.

# EXPERIENCE:

# August 16, 2022 – up to the Present

# Al Khalifa Contracting Company- Riyadh, Saudi Arabia

# Senior Mechanical Engineer - Contract Status

**Projects:**

35 Buildings (AP), 5 Buildings (LW36 Hangar, LW43, LW03, LW08 & LW02) under Bawani Support Services (BSS) for

Military Air Force at King Faisal Air Academy, Al Majma’ah, Saudi Arabia

**Responsibilities:**

# Basic Design & Review, Execution, supervision & inspection of internal services for Mechanical works (HVAC Packaged & Split Units & Chiller Air Coiled & Water Coiled System, Storm/Sewer/AC Drainage & Water Supply System, External Irrigation Network.

# Prepare Progress Report, Daily & Weekly Report, Field Inspection Report (FIR), Material BOQ, Material Inspection Request (MIR) and submit to the main contractor BAWANI (BSS) and send by email correspondence. Collection of sub-contractors finished work job on site through prepared site work percentage & quantity survey (summary).

# EXPERIENCE:

# June 01, 2022 – July 25, 2022

# Faden Contracting Company- Riyadh, Saudi Arabia

# QC & Mechanical Engineer - Contract Status

**Projects:**

8 Residential Buildings-Family RA-42 Projects under main contractor NESMA (NAS) contract for Military Air Force at King

Faisal Air Academy, Al Majma’ah, Saudi Arabia

Al Muhaize Project, Riyadh, Saudi Arabia

**Responsibilities:**

# Basic Design & Review, Execution, supervision & inspection of internal services for Mechanical works (HVAC Packaged Type System, Fire Fighting & Protection System, Storm/Sewer/AC Drainage & Water Supply System,

# Prepare Progress Report, Daily Report and submit to the main contractor copy certified to the Project Manager. Collection of sub-contractors finished work job on site through prepared quantity survey (summary).

# EXPERIENCE:

# March 2022 – May 2022

# Saudi Design SA- Riyadh, Saudi Arabia

# Mechanical Engineer – Contract Status

**Projects:**

Residential & Commercial Projects

Governate of Riyadh, Saudi Arabia

* Sajaya Health Care Medical Complex
* Renovated Building for AWTAD New Main Office
* Sofitel Hotel
* Master Hat Preparation School

**Responsibilities:**

# Basic Design & Review, Design Calculation of HVAC using Conversion & Formula applications. Fire Protection & Safety, Plumbing using AutoCAD. Perform Site Visits to match the design of the mechanical & plumbing systems.

# Set kick-off meeting with the client to discuss the proposal of the tender drawings to finalize the as built drawings prior to start the execution & implementation process.

# Execution, Supervision & Quality Inspection of internal services for Mechanical & Plumbing works (HVAC System, Fire Fighting & Protection System, Drainage & Water Supply System, Water Circulation System for water features, plumbing fixtures).

# EXPERIENCE:

# January 2022 to February 2022

# SIRAR Arabia for General Contracting - Riyadh, Saudi Arabia

# Funn Mechanical Engineer – Contract Status

**Projects:**

* Government Housing Project for Saudi Customs Al Haditha 2 Guraiyat, Al Jouf Province

**Responsibilities:**

# Execution, supervision & quality inspection of external services for MEP works (Drainage & Water Waste System, Fire Fighting & Protection System, Domestic Water Supply System, LV & MV Supervision, plumbing fixtures & Irrigation Networks on-site).

# EXPERIENCE:

**August 2020 to December 2021**

**Nabatat Contracting Company. Riyadh, Saudi Arabia**

**Mechanical/Irrigation Engineer – Full Time Status**

**Projects:**

Diriyah Gate Development Authority (Diriyah/Farm Project)

Diriyah Gate Development Authority (WH and Wadi Safar Project)

**Responsibilities**:

# Assigned at Diriyah Gate Development Authority (DGDA) Project (Diriyah Heritage Road/Farm) to monitor and supervise the team on the performance of all Irrigation Networks and Irrigation Control systems (RTUs, satellites, timer controllers) in Diriyah Heritage Roads and Farms project.

# Assigned at Diriyah Gate Development Authority (DGDA) Project (WH & WS) to monitor and supervised team performed Repair/Replace, Plan Preventive Maintenance (PPM) of Deep Well Submersible Pumps and Centrifugal Vertical/Horizontal Booster pumps, Manual Irrigation, and automatic irrigation for all Irrigation Networks (Gate Valves, Quick Coupling Valves) and Programmable Irrigation Automatic System (Rainbird Timer Controller wired linked through Solenoid Valves).

**EXPERIENCE:**

**September 2016 to July 2020**

**Nabatat Contracting Company. Riyadh, Saudi Arabia**

**General Mechanical Engineer – Full Time Status**

**Projects:**

* Dammam AMANA Municipality Project
* Al Khobar Municipality Project

**Responsibilities**:

* Assigned at Dammam AMANA Municipality Project:

Performed project site visit on an everyday basis and make weekly/monthly reports.

To monitor and supervised the team performed Repair/Replace, Plan Preventive Maintenance (PPM) of Deep Well Submersible Pumps and Centrifugal Vertical/Horizontal Booster pumps

* Assigned at Al Khobar Municipality Project:

Monitoring closely the Irrigation Control System thru SCADA from Motorola, Hunter through MEAC Co., Bin Ali System through National Instruments and Signature Control System through Fitco Trading Co.

Performed project site visit on an everyday basis and make weekly/monthly reports.

Monitor the Irrigation Control System closely thru SCADA from Motorola Irrinet RTU's and Scorpio V2 Controller, Hunter Timer Controller through MEAC Co., Auto Wireless Timer IQ-ESP ME System through Rain Bird Co., and New Electronobo System through Al Yaseen Agri Co.

**EXPERIENCE:**

**May 2016 to August 2016**

**Moataz Makki Engineering Consultancy, Jeddah, Saudi Arabia**

**Senior Mechanical Engineer/Project Coordinator – Contract Status**

**Projects:**

* Khalid Al Malki Commercial Building Project
* Madinah Hotel Business Project
* Makarona Commercial Building Project
* PPT Polyclinic Project
* REDA Family Beach House Project

**Responsibilities:**

* Design Calculation of HVAC using Conversion & Formula applications. Fire Protection & Safety, Plumbing using AutoCAD. Perform Site Visits to match the design of the mechanical systems & set kick-off meeting with the client to discuss the proposal of the tender drawings to finalize the as built drawings prior to start the execution & implementation process.
* Do project site visits and extra jobs as per the instructions from my Superior/General Manager.

**EXPERIENCE:**

**February 2013 to April 2016**

**Zuhair Fayez Partnership Consultant Company - Jeddah, Saudi Arabia**

**Procurement Coordinator (Services and Contracts) -Full Time Status**

**Projects:**

* Multi-Discipline services Projects
* Outsourcing contracts with Sub-Consultants for the projects.

**Responsibilities:**

* After gathering required data and finalizing requirements with the Sub-Consultant analysis of the project Plan/site, load run and selection of possible options is done, followed by preparation and project management approval/discussions.
* Sending Management Approval of the sub-consultant expertise related to the services of the project.
* Modifications and Finalization of Specifications for all services to proceed requesting a proposal to the selected Sub-Consultants.
* Pre-Evaluation of proposals submitted by the selected sub-consultants.
* Documentation as per ISO requirements and act as Procurement Specialist during internal and external audits.
* Coordination with other departments (Project Coordinators, Project Management, Proposals Etc.) for the smooth operation of main and sub-assembly lines.
* Audit of Sub-Consultant for ensuring implementation of Corrective Action.
* Carrying out internal plan audits and verifying compliance against SOP.
* Preparation of project feasibility reports (Business plan/Concept Paper).
* Management Approval of feasibility/Conceptual reports is followed by detailed planning for Projects including planning for Scope of Project, Schedule of Activities and Civil works, HVAC works, Electrical works, Procurement planning, Sub-Consultant outsourcing/Organizational Planning, Quality Planning, Costing, Risk Management Planning, and Schedule Planning.
* Executing the project as detailed in the project management plan.
* Developing and implementing a system for evaluation and selection of Sub-Consultants.
* Negotiating terms of the contract for procurement services.
* Requesting Building Layout, Civil Construction Plans, Architectural Plans, MEP, and relevant Plans in Coordination with Project Management and ensuring compliance with project requirements and Scope.
* Evaluation of all Sub-Consultant construction experience in all related Civil Works, Plumbing, Fire Fighting, Pre-Engineered Building, HVAC systems, Electrical Works, Interior, and Architectural Planning, and other related works.
* Performing Quality Control/Assurance checks and ensuring that work performed is as per the scope of the Project.
* Following Project Management standard methodologies for implementing any changes to the plan.
* Monitoring and Controlling activities being carried out during the project execution and ensuring compliance with Project scope, Plan, Quality guidelines, procurement procedures, and implementation Integrated Change Control system.

**EXPERIENCE:**

**March 2011 to February 2013**

**Zuhair Fayez Partnership Consultant Company -Jeddah, Saudi Arabia**

**Electro-Mechanical Engineer -Full Time Status**

**Responsibilities:**

* Ensure the implementation of the Central Management and Control System and Compliance with Standard, Codes, and Specifications.
* Review and prepare Monitoring schedule of Roads, Center Island, Parks Landscape (Trees, Plants, Grass, Shrubs), Hard cape (Restrooms, Pump rooms, Irrigations), Soft cape (Walkways, interlock blocks, Curve stones) to be inspected and make actual field inspection on site.
* Responsible for methodical and systematic routine Site -Testing and Inspection of Mechanical activities.
* Supervision, Review and prepare Monitoring of Irrigation System (Pump underground stations, Satellite Controls for Rain Bird and Hunter Timer Controllers), to be inspected and make actual field inspection on-site,

Prepare and Submit Weekly Report to AMANA-Riyadh Municipality Agricultural Manager Engineer and Company Project Manager.

**EXPERIENCE:**

**June 2008 to March 2011**

**Saudi Landscape & Contracting Company - Jeddah, Saudi Arabia**

**QA/QC Mechanical Inspector Engineer – Full Time Status**

**Projects:**

* KAUST GOLF MAINTENANCE & GOLF CART PARKING BUILDING & KAUST WATER SPORTS FACILITIES

**Responsibilities:**

* Ensure the implementation of Quality Management
* System and Compliance to Saudi ARAMCO.
* Engineering Procedure (SAEP) and Saudi ARAMCO
* Engineering Standard (SAES), Codes, and Specifications.
* Responsible for methodical and systematic routine

Material Receiving Inspection, Site Acceptance Testing, and Final Inspection of Mechanical activities.

* Monitor on-site activities and ensure their compliance with Saudi ARAMCO's requirements to assure the

quality of all Mechanical, Landscaping and Irrigation installations.

* Review and prepare Monitoring schedule of Golf Course (9) Holes, Al Wadi Parks, Sports Field Landscape (Trees, Plants, Grass, Shrubs), Hard cape (Restrooms, Pump rooms, Irrigations), Soft cape (Walkways, interlock blocks, Curve stones) to be inspected and make actual field inspection on site.
* Prepare Request for Inspection (RFI) with appropriate checklists and Issued for Construction (IFC) drawings/plans.
* Attend regular QA/QC meetings.
* Issue Non-Conformance Report (NCR) when necessary and discuss the agreed rectification to close the violation on-site activities.
* Ensure all Testing, Pre-commissioning, and Commissioning for Mechanical discipline.
* Conduct site inspection and supervision covering the HVAC fields in particular together with the Plumbing and Firefighting, i.e. Installation, Operation & Maintenance of Chillers, Direct expansion(DX) units, Air Supply & Distribution systems, Variable air volume (VAV) & Constant air volume(CAV) systems, Variable frequency drive(VFD) system, Ventilation System, Exhaust Air System, Testing Adjusting & Balancing (TAB) of Supply & exhaust air system, Air Handling Units (AHUs), Fan Coiled Units (FCU), Computer Room Units (CRUs), Follow up of planned preventive maintenance(PPM) schedule to reduce the corrective maintenance actions, Heat Exchangers, Cooling Towers, Air Compressors, Basic knowledge of building management system (BMS) and direct digital control (DDC) systems, Stand Pipe & Water Sprinklers System, Plumbing system, Water Supply & Drainage System. Reviewing of all drawings, specifications, bill of quantities, and scope of work.
* Responsible for preparation and compilation of Request for Inspection (RFI).
* Responsible for execution and monitoring of approved in the field of all mechanical activities.
* Quality inspection Installation of Potable water supply pipeline (200mm) for man-made lakes, Fountains, and water sports facilities (swimming pool, sports building, drinking facility, and water closets).
* Pump stations for 3 man-made lakes (200HP centrifugal pumps equipment installation).
* Coordination with Consultant Engineer for ARAMCO regarding the Mechanical Completion Certificate Report, Commissioning Package, and other quality-related documents for project acceptance and final handover.