

Mohamed Reyad El shafey

Mechanical Engineer
Riyadh, Kingdom of Saudi Arabia.

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Personal Information:

Date of Birth: 12 April 1998

Marital Status: Single

Military Service: Completed

CAREER OBJECTIVE

Mechanical Engineer, seeking a challenging position to gain more experience, take on responsibilities, and advance my career. Motivated to develop my technical skills in Fire Fighting, Fire Alarm, and Plumbing systems, while progressing to senior engineering roles. Possess strong communication skills, teamwork spirit, and ambition to grow into higher positions.

PROFILE SUMMARY

- Well-versed with Fire Fighting, Plumbing Systems, and Mechanical Power Systems with hands-on site and technical office experience.
- My work as a mechanical site and technical office engineer provided me with hands-on experience and the ability to clearly interpret and communicate technical information.
- Skilled in Preparing shop drawings, material submittals, quantity take-offs, and coordination with other disciplines to ensure smooth project execution.
- Strong soft skills, including communication, presentation, problem-solving, and negotiation.

EDUCATION

BSc in Mechanical Power Engineering, Sinia University, Egypt (2016/2021) | GPA: 2.7/4
(Grade: Good).

TRAINING, EXTENSIVE STUDIES

- **03/2021 – 07/2021:** Polygon Pharma Manufacturer (capitalization) - Smart Construction Group, 6th of October City.

CERTIFICATION

Courses

- HVAC Systems Design Course.

SELF-LEARNING

- HVAC Basics Lectures – online (YouTube).
- Fire Fighting Courses – online (YouTube).
- Revit Basics – online (YouTube).

EMPLOYMENT HISTORY

01/2023 – 07/2023

(Smart Construction Group) – Company Location (6 October)

Title: Mechanical Site Engineer – Plumbing

Project: Polygon pharma Manufacturer in 6 of October

Roles & Responsibilities

- Developed shop drawings and as-built plans for the plumbing system.
 - Planned technical layouts and coordinated with construction teams.
 - Carrying out approvals and inspection Requests.
 - Resolved issues and addressed challenges to prevent project delays.
 - Ensured compliance with safety regulations and inspection protocols.
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04/2024 – 07/2024

(New era Constructions) – Company Location (Riyadh)

Title: Mechanical Site Engineer – Firefighting & Plumbing

Project: Manazel Qurtubah – Block 12 (Restoration Project)

Roles & Responsibilities

- Preparing and quantifying material requirements and issuing purchase requests.
 - Conducted pressure and drainage tests for plumbing systems and reported to consultants.
 - Compiled and submitted material submittals, achieving 100% consultant approval on first submission.
 - Managed finishing works for bathrooms and kitchens.
 - Installed overhead water tanks, pumps, and ventilation ducts
 - Coordinated rainwater gutter and drainage pipes installations.
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07/2024 – 12/2024

(New era Constructions) – Company Location (Riyadh)

Title: Mechanical Site Engineer – Firefighting & Plumbing

Project: Rose Yard Show rooms & Hotel

Roles & Responsibilities

- Executed firefighting systems (sprinkler, fire hose cabinet and zone control valve).
 - Managed material inventory and procurement of pipes/fittings.
 - Oversaw fire alarm system deployment (smoke and heat detectors, alarm bells, manual call point).
 - Led the installation of Pump room and conducted performance tests.
 - Produced as-built drawings and submitted requests to the consultant.
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01/2025 – Now

(New era Constructions) – Company Location (Riyadh)

Title: Mechanical Site Engineer – Firefighting & Plumbing

Project: Manazel Qurtubah – Block 4 (Restoration Project)

Roles & Responsibilities

- Estimated material needs of project.
- Performed plumbing system pressure/ leak tests and submitted results to consultants.
- Draft and followed up submittals and purchase orders, in coordination with the consultant.
- Conducted final inspection, testing & Commissioning for plumbing and firefighting systems.
- Developed snag lists, as-built drawings, and handover documentation.

LANGUAGES

Language Skills

Arabic: Native.
English: Good.

SKILLS

Software Skills

MS Software (Windows, Internet and office package) - (Good)
AutoCAD 2D - (Good)
SolidWorks - (Good)
Hourly analysis program (HAP) - (Good)
Elite Software - (Good)
Revit - (Good)

Technical Skills

Fire Fighting
Plumbing
Fire Alarm
MEP Coordination

Soft Skills

Team building & Collaboration.
Project management & planning.
Problem solving & Decision Making.
Negotiation & Coordination with Stakeholders.

References

Will be furnished upon request.

