

AHMED YASSINE

PERSONAL DETAILS

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Nationality: Primary Nationality-Brazilian/ Dual Nationality – Lebanese

Civil Status: Single

EDUCATION

Diploma in Mechanical Engineering (Masters Equivalent)-Energy Studies, Faculty of Engineering Sep 2017 – Oct 2023
Lebanese University (LU) - Beirut, Lebanon

Al Tayba Public High School, Lebanon Sep 2014 – Jun 2017
Lebanese Baccalaureate

PROFESSIONAL EXPERIENCE

First Fix-KSA Company Lebanon Office-Hazmieh Lebanon Nov 2023 – Jan 2025
Mechanical BIM Engineer

- Reviewing, BIM modelling and coordinating MEP projects.
- Shop drawing of mechanical systems: HVAC, Fire Fighting, Plumbing and Water Supply systems.
- Followed and promoted company Revit/AutoCAD design standards and protocols.
- Managed a team to organize the project tasks efficiently, ensuring we finished detailed mechanical shop drawings on time.
- Skilled in using Dynamo, Navisworks, and Revit to make our work smoother and more accurate at every stage of the project.
- C# Add-ins Creation: Builders Work placement and recentering Addin, Live Clash Detection Addin....
- Provided technical support for team members in mechanical backgrounds, BIM tools, and time management.
- Conduct regular quality control checks to ensure compliance with project standards and specifications.
- Perform fire fighting calculations using Elite, to ensure validation for material and equipment selection.
- **Related Projects:** Makkah Entertainment Complex (Seven)-BIM Coordinator, Shura Island-project 6-Hotel West 2 (The Red Sea Development Company)-Mechanical Engineer, Jeddah Central District Oceanarium-BIM Coordinator, Ceer Car Factory.

Booking Basics Qatar– Beirut, Lebanon (Remote) May 2020 – Nov 2024
Freelance (International)

- Assess Needs and Prepare Materials: Identify the student's areas of difficulty and assist them accordingly.
- Adapt to Learning Styles: Teach students to use different software like Autocad, SolidWorks, MatLab-Simulink, Comsol, Revit.
- Freelance BIM modelling, coordination, shop drawings, clash detection, and changing from LOD 350 to LOD 400, in different projects across the middle east.

• RELEVANT INTERNSHIPS

Dar Al Handasah, Beirut, Lebanon Jul 2023 – Aug 2023
Mechanical Engineer Intern

- Design and Modeling: Assisted in creating and revising 3D models and drawings using software like AutoCAD and Revit.
- Conducted heating and cooling, ventilation systems, HVAC systems sizing, and calculations (HAP) based on Ashrae standards.
- Performed plumbing and drainage calculations and sizing in accordance with ASPE, NPC, and IPC standards.
- Carried out firefighting systems calculations and sizing following NFPA guidelines.
- Final Assessment: Completed a comprehensive project using Revit software. This project involved the creation of a detailed design for HVAC, plumbing, and fire systems for a designated space, adhering to Dar Al Handasah and international standards.

Researcher – Lebanese University- Beirut, Lebanon

Mar 2023 – Oct 2023

- Performed an extensive examination of the varied renewable energy solutions available and evaluating the practicality of implementing hybrid renewable energy systems in Lebanon.

Adnan Alayan Electromechanical Studies– Beirut, Lebanon

Oct 2022 – Dec 2022

Mechanical Engineer Intern

- HVAC Systems sizing and calculations (HAP) based on Ashrea standards.
- Plumbing and drainage calculations and sizing (ASPE, NPC, IPC).
- **Project Management:** Assist in managing project timelines and budgets (BOQ Preparations).
- **Documentation and Reporting:** Maintain accurate records of design changes, and project progress for different projects across Lebanon and Saudi Arabia.

Middle East Airports Services S.A.L. (MEAS) training- Rafic Hariri International Airport of Beirut -

July 2020 – Aug. 2021

- Completed 5-week training at Rafic Hariri International Airport on power distribution systems, HVAC, plumbing, and fire protection.
- Gained practical experience in electrical and mechanical systems, including boilers, chillers, and fire suppression.
- Developed skills in system networks, pumps, and fire hydrant distribution.

SKILLS

- **Soft Skills:** Communication, Problem-Solving, Critical Thinking, Teamwork, Time Management, Leadership, Networking.
- **Technical Skills:** SolidWorks, AutoCAD, MatLab, Navisworks, Revit, Microsoft Office, Safety Standards, Dynamo, C#, Hap, Elite.

TRAINING WORKSHOPS

Workshops: Sustainability and Fire Resilience (SFPE), Fire Service Webinar (SFPE)**LANGUAGES**

Languages: English and Arabic: Fluent Portuguese: Intermediate**ONLINE COURSES**

- **Udemy:** Plumbing ventilation System, MatLab Master Class, Autocad, Microsoft Office, Excel Master Class, Reivt MEP Specialization