

Aws Abdulfattah

Architect, Masters in BIM

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I am an Architect and a student in an advanced European BIM master. I am interested in automation, digitization and mixing it with architecture and construction.

Within my past experiences working on 65 high-end residential projects, I acquired expertise in concept developing, design authoring, coordinating, reviewing and, construction planning. I have led a team and aspired them to digitization and automation by generating new design processes that reduce wastes and save time and resources.

Experiences

Mutaa Al- Hashimi Registered Iraqi Architectural and Engineering Consultancy

Senior Architect

Jan/2021 - Oct/2021

- Set BIM Standards for the company in design and construction and introduced ISO-19650 to the company's first BIM template and guide.
- Improved the firm's project design processes by developing a script that automates scheduling. This script cut 1 working day per project.
- Prepared a new collaboration channel (BIM 360) with site engineers that cut down about 75% of phone calls (the company's old method of communication).
- Led a team of 3 architects to deliver 20 high-quality architectural projects.
- Built the capacity of 3 new talents to use and improve the scripts also generate new ones.

Architect

Oct/2019 – Jan-2021

- Created scripts that automated and streamlined several daily tasks that saved up to 50% of time and effort compared to the manual execution.
- Managed schedules and deliverables for 65 projects and followed up with architects and engineers to finish within deadlines.
- Participated in 45 projects of various types and assured the firm's well-known luxury and quality reputation for all the projects.

Al-Riyad Group Iraq's #1 company in power, lighting, and electrical control systems

Architect

Jul/2017 – Oct/2019

- Guided the vision to update and fit 4 showrooms with an elegant and cost-efficient interior design. That design was modular, reusable and, easy for logistics.
- Developed a design process for the company's showrooms. This process is implemented in 9 showrooms.
- Designed 5 custom made chandeliers for public spaces and halls.

Education

BIMAPLUS European Master's in Building Information Modelling

Master Of Science Student, M.Sc. BIM A+

Oct/2021 - Present

BIMAPLUS is a joint European master's (Erasmus Mundus Program) between:

- University of Minho (Portugal).
- University of Ljubljana (Slovenia).
- Politecnico di Milano (Italy).

These 3 universities' program offers me an advanced education on BIM integration in building projects and focus on the collaborative practices in the AEC industry.

UOT Architectural Engineering,, University of Technology

Graduate, B.Sc. Architectural Engineering

Oct/2012 - Jul/2017

I am a graduate of the class of 2017 ranked 16th of 65 students with Avg. 72.69

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Skills

Soft Skills

Processes Writing and Implementing
Assess the Right Level of Detail
Research and Analytical Thinking
Solving Complex Problems
Focus on Practical Goals
Networking and Collaboration

Architecture-Specific Skills

Generative Design and Conceptualization
Analyze Program Requirements
3D Design and Modelling
3D Visualization and Postproduction
Animations and VR Visualization
Design Reviewing
Construction Planning

BIM Specific Skills

BIM Data Management
BIM Execution Plan Writing (**BEP**)
BIM Models Authoring & Coordination
Quantity Take Off (**QTO**)
Author Scheduling (**4D BIM**)
Author Cost Estimate (**5D BIM**)
Systems Interoperability (**CDE**)

Certificates

edX	NUS: DSBE001x Data Science for Construction, Architecture and Engineering	Jun/2022
	GHD1x: Global Housing Design, Delft University of Technology.	Apr/2022
Dar Al-Takamul	PMP, Project Management Professional Training Course	Jul/2018
Knauf	Dry Walls & suspended Ceilings Precast Systems	Jul/2016
UOT	Autodesk Revit Proficient User, University of Technology, Iraq	Oct/2014

Activities

Volunteer at **Ministry of Infrastructure Development, UAE** Apr/2020 - Jun/2020

An online voluntary program aimed to build the most suitable house for Emiratis

- Identified the real needs of the 4 families and their financial ability and planed their houses accordingly.
- Established direct connection with 4 clients in UAE.

Volunteer at **Ministry of Construction and Housing, Iraq** Aug/2014 - Sep/2014

A month-long workshop as an initiative to integrate BIM usage within the ministry

- Introduced BIM to 1% of engineers of the ministry through a set of workshops.
- Guided the participants who had zero knowledge about BIM use.

Portfolio

Please [Click Here](#) for a selection of my previous work and experiences. Or [Here](#) to download PDF format Portfolio