
Munirah Aina

ARCHITECTURAL TECHNOLOGIST · ASSOCIATE MCIAT

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Coventry, West Midlands

Associate Member, CIAT

PROFESSIONAL PROFILE

Qualified Architectural Technologist with experience in delivering technical solutions from concept to completion, coordinating multi-disciplinary teams, and producing compliant construction documentation. Expertise in modular construction and sustainable design, skilled at interfacing with engineers, consultants, and contractors to meet technical and client requirements. Adept at managing multiple projects simultaneously across varied sectors, with a focus on precision, collaboration, and buildability through BIM. Progressing toward CIAT chartership and committed to delivering architecture that is efficient, sustainable, and socially impactful.

WORK EXPERIENCE

Home Plus Group (Formerly Modpods)

Architectural Technologist

August 2023 – Present | Coventry, West Midlands

Modular housing provider delivering factory-built, affordable homes, supported by sister company Just Solutions offering full traditional construction, maintenance, and trade services.

- Contributed across RIBA Stages 3–5, from specialist coordination through to construction and manufacturing.
- Developed comprehensive technical drawing packages using AutoCAD and Revit, specialising in modular residential design.
- Prepared detailed fabrication drawings and 3D visualisations to communicate complex construction details clearly to manufacturers.
- Produced planning and construction information in full compliance with UK Building Regulations and modular construction standards.
- Designed and coordinated thermal bridging details, including wall, floor, roof, and opening junctions, in collaboration with UKBC and external technical consultants.
- Managed up to four concurrent live projects utilising Autodesk Construction Cloud and BIM workflows within Revit.
- Coordinated closely with production and site teams to ensure technical accuracy, buildability, and regulatory compliance.
- Responsible for technical documentation and submissions aligned with relevant product certifications and statutory requirements.
- Integrated and managed IFC models within Revit-based BIM environments.
- Created bill of materials using Revit and liaised with procurement to source optimal products for design parameters.
- Produced compelling CGI visuals and video content to enhance marketing campaigns and client presentations.

Toolstation (Travis Perkins)

Store Supervisor

July 2022 – July 2023 | Leamington Spa

- Developed practical knowledge of construction materials and systems, advising tradespeople and clients on appropriate products to support building and design decisions.
- Managed daily operations including stock control, ordering, and health & safety compliance, strengthening understanding of procurement processes and site-based workflows.

De Montfort University*BSc (Hons) Architectural Technology — 2:1 Upper Second Class*

Graduated 2022 | Leicester

- **Dissertation:** "Green Innovations in Social Housing" — focused on energy efficiency through greywater recycling, photovoltaic cladding, and community green spaces.
- **Bank Renovation (BIM 360):** Acted as Architect, Project Manager, and BIM Manager; produced concept designs, structural & MEP layouts, HVAC systems, and clash detection reports using Navisworks.
- **Conference Hotel:** Surveyed existing site and designed a 40-ensuite hotel with restaurant, low-energy operation, and compliance with Leicester planning policies.
- **Tunisian Women's Centre:** Designed a nursery-attached community hub in Revit, integrating greywater systems and passive design for hot climates.

Additional academic experience:

- Technical section and construction detailing
- BIM coordination (3D, 4D, 5D BIM), scheduling, and clash detection
- Mechanical design integration using Revit
- Structural detailing in steel, concrete, and masonry
- Planning applications and building regulation compliance
- Site surveying including topography, drainage, and climate impact

SKILLS & SOFTWARE**Software**

Revit, AutoCAD, BIM 360, Autodesk Construction Cloud, SketchUp, Enscape, Lumion, Photoshop, Navisworks

Technical Expertise

Modular construction detailing, thermal bridging analysis, fabrication and flashing drawings, structural and MEP coordination

BIM Coordination

3D, 4D, and 5D BIM workflows, clash detection, and IFC file management

Planning & Compliance

Planning applications, building regulation compliance, and construction documentation

Project Management

Led multi-disciplinary teams, managed concurrent live projects, coordinated between design and production teams

Communication

Team supervision, stakeholder liaison, elected Course Rep at De Montfort University

Revit

AutoCAD

BIM 360

Autodesk CC

SketchUp

Enscape

Lumion

Photoshop

Navisworks