

**SHAJAZ**

| MSc | AMIMechE |

**BUILDING SERVICES ENGINEER**



SUMMARY



Dedicated Building Services Engineer with four years of experience in providing mechanical, electrical and public health engineering services in numerous UK projects



Worked on M&E briefs, concept design, developed design, technical design and construction stages in various sectors such as high-end residential, healthcare, commercial, offices and schools as, building services engineer



Continuing professional development in the field of building services engineering is carried out with the help of professional bodies and working towards the chartership



Good communication skills demonstrated with various projects requiring liaising with other professionals and clients



Graduated with a first-class degree in Mechanical Engineering and complimented by Building Services Engineering master’s



Confident MS Office ability, working knowledge of AutoCAD, Dialux and IES-VE, fundamental knowledge of SketchUp, BIM and Revit



WORK EXPERIENCE

**Engineering Design Consultancy in London Nov 2016 - Present**

**Building Services Engineer**

Key Responsibilities Include,

Design HVAC Systems



Electrical Design



Public Health Engineering Services Design



Fire Safety Engineering Services



Feasibility Studies on Low Carbon Technologies



Technical Report Writing including tender documents



KEY PROJECTS

**78 Oakley Street, London** **Type - Residential**

The project comprises the full refurbishment of the listed high-end residential house at 78 Oakley Street, London.

My Responsibilities,

Design and specification of mechanical building services including, comfort cooling, whole-house ventilation and above ground drainage from RIBA stage two to RIBA stage four.



Preparation of complete mechanical working drawings (2D) and M&E builder's work drawings.



M&E engineering services performance specification and mechanical equipment's schedule.



Identification and implementation of value engineering on behalf of mechanical sub-contractor.



Feasibility studies on renewable energy technologies such as solar PV, solar thermal

water heaters and greywater recycling.



M&E budget cost analysis.

**12-14 Wigmore Street, London** **Type - Mixed Development**

The project comprises the refurbishment and extension of an existing seven-storey office

block incorporating two levels of high-end residential apartments.

My Responsibilities,

Design and specification of mechanical building services from RIBA stage two to RIBA stage four.



Preparation of complete mechanical working drawings (2D) and M&E builder's work drawings.



M&E engineering services performance specification and mechanical equipment's schedule.



Coordinated with a specialist in achieving a very good design stage energy performance certificate (EPC).

CONTACT



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EDUCATION

**Sep 2015 - Sep 2016 Brunel University London**

MSc Building Services

Engineering

**Key Modules,**

Building Heat Transfer & AC Electrical Services & Lighting Fluid Services & Heat Transfer Equipment's

Design for Energy Efficient Buildings Acoustics, Lifts, Fire & Drainage Energy Conversion Technologies

**Sep 2011 - May 2015**

**GEC Calicut, India**

B-Tech Mechanical Engineering

SKILLS

Project Planning, Design & Development Cross-Functional Coordination Liaison and Negotiation

Health and Safety

Competant and reliable

Risk Management

Time Management

Cost Analysis

Training and Development Project Management M&E Budgeting

Construction Design Management (CDM) Building Services Management Technical Report Writing Tender Documentation

LZC Feasibility Studies

SOFTWARE SKILLS

AutoCAD - Computer Assisted Drawings Microsoft office - Word, Excel & Powerpoint

Dialux - Lighting Design Software IES - VE - Simulation Model SketchUp - 3D Modelling Revit MEP

Building Information Modelling (BIM)

**Type - Healthcare**

**Mill Hill County High School, London** **Type - School**

Proposed new eight-classroom block at Mill Hill County High School, Worcester Crescent, London.

My Responsibilities,

Mechanical equipment schedule & load calculation for RIBA stage four.

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Preparation of mechanical working drawings (2D) for heating.

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| Coordinated with a specialist in achieving a BREEAM pass for daylight (HEA01) and |
| natural ventilation (carbon-dioxide concentration compliance). |
| **18 Watford Road, Radlett** | **Type - High-End Residential** |

New built ten number of apartments in the four-storey building with lower ground floor communal gym facility.

My Responsibilities,

Design and specification of mechanical building services from RIBA stage two to RIBA stage four.

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Preparation of complete mechanical working drawings (2D) and M&E builder's work drawings.

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M&E engineering services performance specification and mechanical equipment's schedule.

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Coordinated with a specialist in achieving a very good design stage energy performance certificate (EPC).

**Liverpool Women's Hospital, Liverpool**

Refurbishment of mechanical services of this prestigious NHS Hospital in Liverpool.

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| My Responsibilities, |  |  |
| Complete modification of pipework’s, pumps, and radiators. |  |  |
| Mechanical equipment's schedule for RIBA stage four. | **Type - Churches** |  |
| **Golders Green Synagogue, London** |  |

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Development of new Synagogue at 185-187 Golders Green Road, London.

My Responsibilities,

Design and specification of mechanical building services for RIBA stage four.

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M&E engineering services performance specification and mechanical equipment's schedule.

**2-3 Addison Crescent, London** **Type - High-End Residential**

The project is located at Addison Crescent, London and comprises the refurbishment of two number luxury residential buildings and extensions.

My Responsibilities,

Detailed design (RIBA stage four) of the mechanical building services including, comfort cooling, whole-house ventilation and above ground drainage.

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Preparation of complete mechanical working drawings (2D) and M&E builder's work drawings.

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M&E engineering services performance specification and mechanical equipment's schedule.

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M&E Budget cost analysis.

**22 Beech Hill, Barnett** **Type - High-End Residential**

The development comprises of the construction of high-end residential flats at 22 Beech Hill, Barnett comprising of 9 Flats in the front and rear building with communal leisure and car parking facilities.

My Responsibilities,

Design and specification of mechanical building services from RIBA stage two to RIBA stage four including mechanical equipment's schedule.

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Preparation of complete mechanical working drawings (2D) and M&E builder's work drawings.

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Coordinated with a specialist in achieving a very good design stage energy statement.

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ACADEMIC PROJECTS

**Research on net-zero energy lighting of an office building**

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– it included the

lighting design of an office building using Dialux software, implementation of

renewable energy technologies using RETScreen software and a financial

investigation of its feasibility.

**Post occupancy evaluation**

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of Brunel University Indoor Athletic Centre.

**M&E and public health services design**

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for a three-storey office building.

**Fire protection, above-ground drainage and lift**

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design for an eight-storey budget

PROFESSIONAL

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MEMBERSHIP

Associate Member - IMechE, UK Affiliate Member - ASHRAE, India Student Member - CIBSE, UK Student Member - BRE, UK

CIBSE CHAPTERS

INVOLVED

Society of Light and Lighting Society of Public Health Engineers Society of Facade Engineering Institute of Local Exhaust Engineers

CPD TRAINING

Nearly Zero Energy Building Retrofit - MENS Short Course (Horizon 2020) The Value of BREEAM Wellbeing in BREEAM

Basics of BIM

Post Occupancy Evaluation BREEAM Sustainability Champion Investment in Energy Efficiency The Future of Offsite Construction Energy Performance Gap

IES-VE - ModelIT, ApacheCalc, ApacheSim, Suncast, MacroFlo and Compliance Dialux in office buildings

Overheating in Domestic Buildings BREEAM Mat03 and BES6001 Certification: A Practical Update Retrofit Considerations

Life Cycle Performance and costs

Importance of Good Air Quality

Dynamic Simulation Modelling

Passive House Planning Package

There's No BIM Like Home

Standard Assessment Procedure (SAP)

BREEAM New Issues

Policies, Regulations and Standards

Building Engineering Systems in Home

Rainwater Harvesting and Grey Water

Recycling

District Energy

Seasonal Efficiency

Electronic Heat Interface Units

INTERESTS

**Technology:**

Sustainability & Renewable

Energy, Smart Buildings & Cities, BMS

Systems, Passive Systems

**Sports:**

Active Basketball player, Football

and Cricket Fan

**Hobbies**

**Other:** : Reading, travel

Current Affairs, Culture

PERSONAL INFO

D.O.B - 25 - 01 - 1993

Gender - Male

Nationality - Indian

Marital Status - Married

Availability - Immediate

Visa Status - Visit Visa