

Yusuf Abdullahi

Assistant Structural Engineer

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EXPERIENCE

Arcadis, London — Assistant Structural Engineer

SEPTEMBER 2022 - PRESENT

- Responsible for creating initial sketches, drafting plans, and using software tools to assist in structural analysis and modelling.
- Conducting structural analysis using software tools to ensure designs meet safety and performance standards.
- Preparing technical reports, documentation, and drawings required for project submission and compliance with regulations and standards.
- Collaborating with other engineers, and construction teams to ensure the structural integrity of the design and resolve any issues that may arise during the project.
- Participating in site visits to assess the progress of construction, address structural concerns, and ensure that the project aligns with the design specifications.
- Identifying structural issues, analysing potential solutions, and making recommendations to senior engineers.
- Ensuring that all designs comply with relevant building codes, regulations, and industry standards.
- Staying updated with advancements in structural engineering, new materials, and technologies to apply them effectively in projects.
- Participating in quality assurance processes to ensure that the constructed structures meet the design specifications and safety standards.
- Assisting in the coordination of different project phases, timelines, and tasks to ensure smooth project delivery.
- Effectively communicating technical information to team members, clients, and stakeholders, both verbally and in written form.
- Providing general support to senior engineers, which may include conducting research, attending meetings, and assisting in project management tasks.

TECHNICAL SKILLS

Revit/AutoCAD

Tekla Tedds

Autodesk Robot

Navisworks

MATLAB & Simulink

BIMcollab

Bluebeam

Surveying

Microsoft

CERTIFICATION

CSCS Manager & Professional

Temporary works supervisor

Prince2 certification

ICE Graduate member

PRACTICAL SKILLS

Management and
organisational skills

Project Management

Critical thinking and problem
solving

Excellent interpersonal skills

Attention to detail

Leadership and decision
making

LANGUAGES

English, Arabic, Somali

BYLOR JV, Somerset — *Methods Engineer*

APRIL 2022 - JULY 2022

- Developing construction sequences and site installation in accordance.
- Responsible for drafting and submitting RAMS (Risk Assessment and Method Statements).
- Temporary works allowing reinforcement pre-fabrication, transportation and lifting.
- Preparing conceptual and detailed designs including calculations, design risk assessments and sketches / drawings / 3D models.
- Understanding the practicalities of the erection, use and dismantlement of temporary works.
- Time and work-load organisation to ensure all the schemes are looked after especially that they are in the early stages of design.
- Ensuring technical issues are resolved in a timely manner in accordance with company procedures.
- Liaising with project teams with respect to their design requirements.
- Coordinating design work with external designers.

BYLOR JV, Somerset — *Civil Engineer*

JUNE 2021 - APRIL 2022

- Assisting with the design process coordination, planning and programming requirements for assigned work packages within a designated area to ensure construction activities are delivered safely and in accordance with client cost, time, quality and scope requirements.
- Responsible for supporting the production of methods statements and risk assessments.
- Provide dimensional control for a section of works. Measure materials usage and provide quantity information for preparation of material call off/requisitions.
- Collate and file quality records for potential inclusion in quality assurance documentation and carry out quality control checks using internal check sheets.
- Interpret and abstract construction information from the drawings and specifications to workforce and operatives.
- Effectively communicate technical information to the workforce and liaise with all functions and support services in a timely and accurate manner.
- Provide advice to managers on the effectiveness of materials, specialist contractors, plant and designers being used on site.
- Managing procurement, including cost forecasting and requisition of materials and machinery.
- The responsibility of managing sub-contractors on site, including the management of the quality of their work and their productivity, health, and safety considerations.
- Drafting and submitting construction management plans to ensure we keep programming dates.

EDUCATION

edX Skills Bootcamp, *Front-End Web Developer*

SEPTEMBER 2023 - JANUARY 2024

HTML5, CSS3, UX, Javascript, JQuery, Bootstrap, APIs, Node.js, ReactJS

MiddleSex University, *MSc Engineering Management*

OCTOBER 2019 - JULY 2020

Engineering project management, Engineering simulation, Human resources management, Financial management, Logistics and Supply chains

London Southbank University, *BEng(Hons) Civil Engineering*

SEPTEMBER 2015 - JULY 2019

Structures and design, Fluid mechanics, Transport planning and Highway, Hydraulics, Geotechnical engineering, Structures and Construction management, BIM and Design, Surveying, Soil mechanics, Environmental engineering

EXTRA-CURRICULAR ACTIVITIES

- Gained experience from working as a translator mainly for the Somali and Arabic community be it for doctors or other purposes.
- Worked for cancer research UK as a street fundraiser as well as knocking on doors to raise awareness and money.
- Work with disabled people as part of an educational purpose to raise awareness in the African and Asian communities.

AREAS OF INTEREST

- Captain of a football team that regularly competes in tournaments and competitions.
- Play for my local baseball & basketball team.
- Teaching underprivileged students that have no access to private tuition

REFERENCES

Available upon request