

Abdirahman Abdulle

Personal Details

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London

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Professional Summary

Experienced engineering professional with a background in mechanical and structural engineering, offering strong technical knowledge in structural analysis, design, and product testing. Proven success in managing projects, providing technical consulting, and delivering high-quality testing services in the hydraulic industry. Adept at adapting to diverse client needs, solving complex problems, and communicating effectively to ensure the delivery of innovative solutions. Passionate about leveraging my broad skill set to exceed client expectations, enhance operational efficiency, and deliver impactful results.

Employment History

Self Employed (Various Companies and Industries) – London, UK

07/2019 – Present

- Managed diverse client needs across various industries, consistently meeting deadlines while balancing competing priorities.
- Demonstrated strong time management and organizational skills to deliver reliable and punctual service.
- Provided excellent customer service and maintained professional communication with a wide range of clients
- Adapted quickly to changing circumstances and developed effective problem-solving strategies under pressure

Operations (CAAFiSOM) – Mogadishu, Somalia

07/2023 – 07/2025

- Led strategic operations at CAAFiSOM, identifying bottlenecks and implementing solutions that enhanced productivity and client satisfaction.
- Spearheaded operational transformation initiatives at CAAFiSOM, introducing digital tools and methodologies that modernised workflows and increased departmental output.
- Managed cross-functional teams, optimizing resource allocation and driving operational growth while fostering professional development.
- Cultivated partnerships with healthcare providers and stakeholders, expanding CAAFiSOM's operational network and service reach.

R&D Technical Consultant (TCM Capital) – London, UK

12/2022 – 05/2023

- Advised clients in the construction and engineering sectors on accessing government R&D tax relief, with emphasis on structural engineering and construction innovation
- Identified qualifying R&D activities, ensured compliance with tax relief criteria, and aligned projects with relevant funding opportunities
- Drafted clear, detailed technical reports to support R&D claims, highlighting innovation and technical challenges while meeting strict deadlines
- Managed multiple client accounts, enhancing organisational and time management skills to ensure timely, high-quality application submissions and ongoing support

Product Test Supervisor – Engineering (Hallite Seals International Ltd) – London, UK

12/2015 – 07/2019

- Managed day-to-day operations of test equipment, including maintenance, repair, and calibration, increasing overall utilization by 15% within the first 18 months.
- Reduced static pulse test duration by 67% by upgrading the hydraulic system for 24-hour tests.
- Designed and updated test pods and fixtures using Solid Edge, while conducting tests according to ISO and ASTM standards.
- Created test programs for various products and customer specifications, while analysing data and writing engineering reports.
- Led projects, ensuring timely completion and regular communication with stakeholders, and supported the Hallite group through failure analysis and knowledge sharing.
- Conducted internal audits of processes and delivered Health & Safety risk assessment training.

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Engineering Technician (Hallite Seals International Ltd) – London, UK

08/2015 – 12/2015

- Assisted senior engineer in day to day operation of equipment, including maintenance, repair and calibration.
- Involved in planning efficient test programs and in the specification of test procedures.
- Maintained high levels of cleanliness and organisation, by introducing 5S.

Key Skills and Abilities

- Excellent verbal and written communication and team working skills
- Excellent problem-solving skills
- Able to work independently on projects whilst working to tight deadlines
- Good exposure to Eurocode design
- Familiar with design and analysis software, such as SAP2000, Etabs, Ansys, Autodesk Robot and Revit
- Professional working experience of 3D CAD modelling using Solid Edge & PTC Creo
- Good exposure to several lean manufacturing techniques
- Excellent understanding of engineering principles
- A keen learner with the ability to absorb new information while paying attention to detail

Education

2019 – 2022 City, University of London

MSc Civil Engineering Structures (Distinction)

- *Design of Concrete Structures, Design of Steel and Composite Structures, Structural Reliability and Risk, Dynamics of Structures, Advanced Structural Analysis and Stability, Finite Element Methods, Bridge Engineering, Earthquake Analysis of structures*
- **Thesis topic: Optimum Design of Sustainable Concrete Structures Using Advanced Materials**

2016 – 2018 University of Portsmouth

BEng Mechanical & Manufacturing Engineering

Individual and group projects

Design of a Steel and Composite Multi-Storey Structure: Participated in the structural design of a multi-storey building, focusing on load analysis, member sizing, and reinforcement detailing in accordance with Eurocode standards. Addressed architectural integration and site-specific constraints to ensure structural efficiency and buildability.

Design of a High Speed Railway Bridge: Contributed to the design of a high-speed railway bridge spanning a motorway and existing railway. Focused on structural analysis, load assessment, and compliance with Eurocode standards, while overcoming complex site constraints.

Design of RC Elements: Proficient in the design of reinforced concrete beams, slabs, and columns using Eurocode 2. Applied limit state design principles and performed reinforcement detailing for strength and serviceability requirements.

References

Will be provided upon request