

# Engineering CV Template



Make your CV stand out

# John Smith

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## **PERSONAL PROFILE**

A meticulous, dedicated and effective Mechanical Design Engineer with a wealth of technical abilities and a determination to achieve the best possible results every time. Possesses specialised knowledge of piping and mechanical design, development of detailed drawings and production support. Adept at working well within a team or under own supervision using excellent interpersonal skills and a high level of attention to detail.



## **SKILLS MATRIX**

Design engineering | mechanical design engineering | mechanical development | engineering management | engineering development | design process | process improvement | CAD | technical management | technical development | Inventor | AutoCAD | FORAN | CadWorx | project management | project planning | project delivery | full project lifecycle | conceptual design | stress analysis | test layouts | design details | design improvement | efficiency improvement | performance improvement | compliance | document control | basic stress calculations | manufacturing methods | construction methods | time management | deadline adherence |



## **CAREER HISTORY**

### **Roger Dyson, Design Engineer, Jan 2016 - present**

- Involved in the designing of the new parts and modification of the existing parts of the vehicles recovery systems according to the client requirements and IVA car regulations.
- Created general arrangement drawings, fabrication and detailed drawings for hydra-loader slide bed, sub frames and flyers using Inventor sheet metal.
- Prepared the bill of materials.
- Point of contact between customer and Roger Dyson, sorting any technical queries from concept through to completion.
- Liaised with the Production/Manufacturing and Quality departments to make sure products are being designed exactly to specification including tolerances, stress and mechanical calculations.



### **ACE Winches, Mechanical Draughtsman, Jun 2012 – Dec 2015**

- Provided clear and concise technical documentation to customers
- Played a vital role in the conceptual design and development of the new build company's equipment.
- Carried out FEA stress analysis of different steel structures to ensure solidity and a robust structure.
- Heavily involved in creating a test layout for both client and company equipment
- Produced design details and associated drawings of structures using 3D CAD systems.
- Improved the design, performance and efficiency of existing products
- Solely in charge of a project from initiation to conclusion creating and issuing drawing documentation for a 200 tonne hydraulic spooling winch
- Checked drawings for accuracy and errors as well as preparing the bill of materials

## **Babcock International Group plc, Scotland, Design Engineer, Jul 2007 – Jun 2012**

- Design Engineer in the marine division of an international company instrumental in conducting FORAN and Cadworx 3D modeling of the pipeline systems and HVAC.
- Provided integrated equipment and support for the pipeline systems and HVAC on the ship.
- Meticulously prepared piping technical specifications.
- Issued isometric, general arrangement drawings and detail drawings for production
- In charge of bills of materials for the pipeline systems and HVAC
- Demonstrated accuracy and logical qualities on various projects including CVF (Queen Elizabeth Class, new Royal Navy future aircraft carrier); Caesar (conversion of cable lay vessel to pipe lay vessel); Chilled Plant (Birmingham Hospital); Ice Maiden (accommodation vessel for the Arctic area) and a pipeline system for BP Sullom Voe oil terminal

## **Aker Kvaerner Braila Shipyard, Design Engineer, Jul 1990 – Jul 2007**

- Primarily involved with the routing of the pipeline systems and correlating those with other systems and equipment in the ship closely following the standards of the naval classification societies.
- Issued isometric and general arrangement drawings of the ship compartments for production.
- Performed stress calculations for seats / pad eyes and drew details for seats of different units / equipment and for different steel structures such as hatches, ladders, stairs and rails.
- Consistently assessed materials consumption and derogation of materials.
- Played a huge part in the successful work on the largest ever vessel to be built at the shipyard - the 15000 TDW Bramax Tanker - with other major projects being 3500 TDW - double bottom bunkering tankers and platform supply vessels
- Taught over 20 colleagues how to use Word, Excel and AutoCAD having learned it out of hours to keep up to date with the latest technology

## **EDUCATION**

Faculty of Engineering Braila (1991)  
High School, Electrical Specialisation (1983)  
BSC – Mechanical Engineering – Bradford University  
HND – Mechanical Design

## **INTERESTS**

I have had a keen interest in photography from a young age after joining a photographic club at school. I manage the children's under 8 football team for the local primary school and also enjoy golf.