

List of previous contract positions held by JAMIE FORD

SENIOR ELECTRONIC DESIGN/SYSTEMS ENGINEER (CONTRACT) Contract: May 2007 to Jan 2011

LEAD ELECTRONIC DESIGN ENGINEER (CONTRACT) Contract: Feb 2011 to Oct 2011

Cubic Transportation Ltd

Cubic Transportation specialises in the design, development, manufacture, installation and maintenance of revenue control and ticketing systems for global public transport systems.

- Project management, Project Engineer, Design and team lead duties ranging from requirements capture, design, test, trials to global product compliance for rail and bus ticketing systems working to ISO9001
- Feasibility, HAZOP, TCF, test and validation report preparation for electrical and electronic systems
- Identify and rectify EMC, Environmental, Safety and system level issues and requirements
- LVD, EMC (CB, CE, FCC, C'tick & RCM) & proprietary London Underground safety standards

ELECTRONIC DESIGN ENGINEER (CONCURRENT CONTRACT) Jan 2009 to Feb 2009
Electronic & Manufacturing Company (NDA prevents naming the client)

An outsourced product design, development and manufacturing partner, supplying electronic products into the aerospace, medical, instrumentation, wireless communications and defence industries.

- Project planning, control heavily biased towards electronic design/simplification
- Cost reduction via circuit rationalisation around the NXP ARM7 LPC24xx RISC microcontroller e.g. multiplexing shared circuits and component sourcing using Protel 99SE for schematic capture

ELECTRONIC DESIGN ENGINEER (CONCURRENT CONTRACT)
Canterbury Consulting Ltd

Jun 2008 to Nov 2008

Canterbury Consulting specialises in complete systems design and production for various markets.

- Electronic design, test and validation duties around the ST Micro STM32 ARM CORTEX 32 microcontroller
- Altium for schematic capture, EMC consultancy, testing and worldwide certification (including all remedial work)
- PCB prototyping and initial PCB run-ups (including debug and re-work)
- Project contract bid work and requirements capture

ELECTRONIC DESIGN ENGINEER (CONCURRENT CONTRACT) Contract: May 2007 to Feb 2008

D.C. Allen Ltd
Feb 2007

Contract: Feb 2007 to Feb 2007

DC Allen provides technically excellent, quality-driven, electronic and software design and development expertise, specialising in medical devices such as infusion pumps and compounders.

- EFMEA, Reverse engineering of legacy medical devices and PADS for schematic design reviews
- EMC consultancy (IEC 61000-4-2 etc) for globally popular legacy medical products
- Work to stringent medical design, test, QA & documentation standards (21 CFR, part 80) and GDP guidelines

ELECTRONIC RESEARCH AND DESIGN ENGINEER (CONTRACT)
Dyson Ltd

Dec 2006 to May 2007

Dyson is a British company best known for producing vacuum cleaners and other innovative products.

- R&D design duties (including testing, preparing, data logging, analysing data and reporting findings)
- Hands-on approach to analogue and digital design, for mass production
- Mentor for schematic capture

SENIOR/LEAD EMBEDDED SYSTEMS (HARDWARE) ENGINEER (CONTRACT)

Philips Applied Technologies

Mar 2006 to Dec 2006

Philips Applied Technologies specialises in transforming ideas into competitive products and manufacturing solutions for more than thirty-five years under the Philips and other brands.

- Lead hands-on engineering design duties for consumer electronics Microcontroller (Micro STM32 ARM CORTEX 32 microcontroller), analogue and digital design and software integration) for mass production; supporting ODM and OEMs in China
- EMC consultancy and testing (including all remedial work) and Schematic entry using Mentor and Protel 99SE
- Creation of Project Documentation including feasibility, design, test and validation reports adhering to documentation control procedures using Merant Tracker and Microsoft Source Safe

ELECTRONIC DESIGN ENGINEER (HOME WORKING CONTRACT)

D.C. Allen Ltd

January 2006 to March 2006

Please refer to the D C Allen Ltd entry above.

PROJECT MANAGER (CONTRACT)

May and Scofield Ltd

January 2005 to January 2006

May and Scofield is a Tier 1 automotive supplier specialising in bespoke ECUs.

- Hands-on project management duties including budgeting and managing payments across successful electronic and mechanical programmes, e.g. engine ECUs (digital, analogue and PIC micro controllers), test equipment and anti-theft moldings for car doors
- Hands-on design (Protel 99/AutoCAD LT), prototyping, testing, documentation and EMC consultancy duties, (using specialist automotive management software e.g. Powerway)

ELECTRONIC DESIGN ENGINEER (CONTRACT)
D.C. Allen Ltd

November 2004 to January 2005

DC Allen provides technically excellent, quality-driven, electronic and software design and development expertise, specialising in medical devices.

- ESD and EMC consultancy (IEC 61000-4-2 etc) for globally popular legacy medical products
- Software validation and verification
- Reverse engineering of legacy medical devices
- EFMEA generation, refinement and updating
- Successful integration in a project team split between the UK and USA
- Project management duties
- Work to stringent medical standards such as 21 CFR (part 80) and GDP guidelines

ELECTRICAL/ELECTRONIC DESIGN ENGINEER (CONTRACT) June 2004 to November 2004
Cubic Transportation Ltd

Cubic Transportation specialises in the design, development, manufacture, installation and maintenance of revenue control and ticketing systems. They currently hold a major contract with the London Underground, as well as many other UK and foreign train and bus operating companies.

- Used AutoCAD R14 and AutoCAD LT drawings, ranging from cables to station equipment layouts
- Prototyped various cables and PCBs
- IEE (16th Edition), LVDT, EMC and proprietary London underground safety standard (Section 12) documentation and data collection
- Various feasibility, test and validation report preparation for various electrical/electronic systems
- Identify and Rectify system level issues
- Organise external EMC and environmental testing, including identification of relevant tests

ELECTRONIC DESIGN ENGINEER (CONTRACT)
May and Scofield Ltd

January 2004 to May 2004

May and Scofield (est 1934 in USA) is a Tier 1 automotive supplier. It is a specialist provider of bespoke electronic control modules (ECUs).

- Functional and non-functional testing/validation of ECUs, investigating and implementing any required solutions
- Organised external EMC and environmental testing, including identification of relevant tests
- Implemented design and testing (validation, verification and other engineering test) requirements, captured from customer liaisons
- Digital and analogue design, both for products and test equipment (including software)
- Used Protel 99 for schematic capture and PCB Layout, as well as Autocad LT
- Wrote various feasibility, test and validation reports