Curriculum Vitae / Person Specification

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Justin Baker LCGI., EngTech.

No. 21, Deeble Road,
Kettering, Northamptonshire. (UK)
NN15 7AA
e-mail: justin@justinbaker.co.uk
Tel. 07909 742 819
www.justinbaker.co.uk

Full UK Driving license, held 22 years
Car/Van Owner, SOHO & Workshops



DOB 4th March 1972 (Age 43)
Height: 1.73m (5ft 8")
Weight: 76kg (12 stone)
Non smoker
No disabilities
Marital Status: Single (Home owner)
No dependencies
MoD - Security cleared.
Lucas approved (TfL) (No.326568/1
London Underground ERA Certified. (5124106)
London Underground Secure Room Access (QAF54)









Qualifications:
City and Guilds Basic Engineering Competences
City and Guilds Mechanical Production
City and Guilds AutoCAD
City and Guilds Advanced AutoCAD
City and Guilds Licenciateship (LCGI) Mechanical Engineering
Incorporation September 1994
The Engineering Council: Engineering Technician (EngTech) Incorporation January 1996
Member; The institute of Incorporated Engineers Incorporation 2005 (Now MIET)
Partnership Performance Award—TfL & CSC September 2014

Other Professional Development
Triad Training Scheme: Basic Computer Literacy & Communication. Kettering Youth Training Scheme.
Dale Carnegie: Employee Development Hibass Photomec Ltd funded.
Camtek PEPS (Production engineering productivity system) Camtek Malvern, Worcestershire.
Model Engineering, Wellingborough College.
Three Dimensional Draughting. Wellingborough College.
Microsoft 9x, NT, XP Adminstration, on HP/Compaq/Dell, etc. Self Taught Since 1995
Enrolment with the Open University in 1997
UNIX Administration, and OS Installation. (LINUX/IRIX/SOLARIS). Silicon Graphics Hardware
Civil Aviation authority: Principles of fight, flight safety, navigation. P.P.L. to Solo stage
Psychology 2004/5 Tresham Institute, Kettering.
Solidworks 2009 Residential course (March 2009)– NT CAD-CAM – Oxfordshire.
Access, Health, Safety and Environmental Assessment (AHS&E) Lucas training / exams July 1012
London Underground Equipment room awareness training / exams October 2012



Education:
Hawthorn Road County Primary & Juniors.
Kettering, Northamptonshire.
Kettering School for Boys (Tresham Institute)
Kettering, Northamptonshire.
Wellingborough College (Tresham Institute)
Tresham Institute (most recent)



Interests:
Allotment gardener / Cycling / Flying (Microlight)(P.P.L. to complete).







Referees:

Mr. Steve Burgess
TfL Proximity Services – Lead
63 - 81 Pelham Street
South Kensington
London
SW7 2NJ

Mr. Peter Hutchings
Chief Draughtsman
Rolls-Royce Power Engineering plc
Sandland Court, Pligrim Centre,
Brickhill Drive, Bedford.
MK41 7PZ
peter.hutchings@rolls-royce.com

Employment History;



Justin Baker (English wheeling machines) www.justinbaker.co.uk
Self-Employed. Proprietor (Inventor 2011) October 2009 – Current
Design, manufacture, and marketing of unique metal forming machinery, to to a global customer base.

CSC TfL – London (Contractor)
VIP Support Technician June 2012 – September 2014
Technical Support - engineer for VIP client base - Based in Victoria / Westminster - Central London.

Justin Baker (English wheeling machines) www.justinbaker.co.uk
Self-Employed. Proprietor (Inventor 2011) October 2009 – Current
Design, manufacture, and marketing of unique metal forming machinery, to an extensive customer base.
Tutor for the wheeling machine courses for Light Aircraft Association.

TriSim Limited
Project Engineer (Inventor 2009 / Solidworks) October 2008 – October 2009
Design / replication of simulation, and training equipment for worldwide military, and civilian applications.

Brookhouse-Paxford (Contracting)
Design Draughtsman (Inventor 2008/9) March 2008 – September 2008
Design and replication of Harrier GR.9 Fast jet training simulator for RAF Wittering. 3D modeling of cockpit Instrumentation and structure.

Rolls-Royce (Contracting)
Design Draughtsman (AutoCAD 2008) October - March 2008
Detailing and 3D modeling of Power Engineering projects. - Turbocharger installation for 4kw 6 cylinder oil engine, and steel structure detailing, for this well known prestigious company. Based in Bedford, United Kingdom.

Marshall Specialist Vehicles (Contracting)
Design Engineer (Inventor, AutoCAD) Sept. 2007 - October 2007
Based at Cambridge Airport, key design and detailing duties for a military matrix infrastructure deployment project destined for the Norwegian Army.

Best Diversified Products Limited (T.A. Best Conveyors)
Systems Engineer *(June 2006) - Sept. 2007
I have worked many roles with this company over the years, both employed and self-employed/contracting. Design and development of a telescopic boom conveyor, *Using Autodesk Inventor 10, and AutoCAD*. I was employed as a Systems Engineer in my final role in a technical function, that included Sales responsibility on high value projects. Presentation in both technical and visual manners, I was also the IT administrator for the company and had a high responsibility for all company data, it security and communications.

D.A.Watts & Sons limited
Engineering Technician February 2006 - June 2006
Metrology of boat decking using reverse engineering practices. (Metronor Camera, and Pro-liner) Fairing of data, and conversion to binary formats for the production of drawings and CNC programs for twin axis router machining centers. Using Kubotec KeyCreator 5.2, and Autodesk products. Working 2-3 days week short term contract, while supporting Best Conveyors above.

Datastorm (J Baker T.A).
Self employed September 1998 – August 2006 *
Bespoke computer system sales, network installations, and mass assembly. Experience in most platforms, and operating systems, primarily in Microsoft, but also Apple, Linux, and UNIX. Good knowledge of hardware, Network infrastructures, from Supercomputers, and high level visual computing, to user level desktop applications. Experience in running a VAT registered company, dealing with government institutions.

Landmark Computer Services Limited
Technical Director April 1997 - September 1998
Computer systems and network sales in the retail industry, based in Kettering town. Good experience of computer builds from i368 architecture through to P6 MPS. Some knowledge of non TCP/IP networking. Working within a team of 3. I eventually sold my share in this company.

IMI Cornelius (Silverwing) Limited
Design Engineer April 1996 - April 1997
Draughting to BS308, layouts, components level and new designs for the manufacture of food servery equipment, cold-rooms and refrigerators. CNC programming for two turret punches, using CAMTEK PEPS? and AutoCAD? release 10, experience of network topology, on early versions of Microsoft DOS & Windows.

Bearward Engineering Limited
Draughtsman January 1996 - April 1996
Draughting to BS308, layouts and component level for the manufacture of heavy-duty radiators and heat exchangers, using AutoCAD Release 10, with customization of the software set, compiled by myself.

Compressor Engineering Limited
Draughtsman December 1992 - December 1996
Working primarily on The pressure systems and transportable gas containers regulations. Component mapping from onsite installations to new layouts. Using AutoCAD? Release 10.

Cosmocold Refrigeration Limited
Draughtsman April 1991 - December 1992
BS308 standard, draughting and design of bespoke food servery equipment, using AutoCAD? release 9-10.

Hibass Photomec Limited
Draughtsman January 1990 - April 1991
From basic component level draughting, to full schematic layouts of the plant, drawing to BS308 using AutoCAD? release 8-9.

Precision Rubber Rollers Limited
Trainee Engineer May 1988 - December 1989
Preparation of rubber coated metal rollers, the machines to fine tolerances, experience with lathes, cylindrical grinding machines, and other basic engineering competences, while studying basic engineering at Wellingborough College.