Mr. Paul John Bennett

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Date of birth : 19/09/1972 Place : Cheltenham Age : 44

Nationality : British Driving license: full

I am a very motivated, adaptable and responsible engineer with a give it a go attitude and have developed confidence, interpersonal and leadership skills within challenging roles.

I enjoy solving problems which utilize the professional and technical skills developed through past work experiences and also have a methodical, customer-focused approach to work and a strong drive to see things through to completion.

**Employment**

**Antares Defence Systems** Oct2016

Position: Short Term Contract Test Engineer Web: antaresdefencesystems.com

The Task was to setup a bespoke MK test system and produce test harness to enable the company to test equipment and looms for the Defence industry, Also I provided staff training on use of equipment and configuration.

**Design & Automation Solutions** July 2016 – Sept 2016

Position: Short Term Contract Lead Electrical Engineer Web: designandautomation.com

Using Solidworks Electrical I provided electrical design for the D&A standard range of machines that are supplied to companies such as Avery and also provided PLC programming services to SKF and Keeler.

. Self-managed

. 3D Design (Solidworks)

. Electrical design (Solidworks Electrical)

. HMI & Programmable Logic Controller (PLC) Programming (Mitsubishi FX & Q series)

. ABB Robot programming

**Omega Engineering Services, Cheltenham** Apr 2016 – July 2016

Position: Contract Systems Engineer Web: omega-oes.co.uk

I provided engineering support for existing and new projects from 3D/2D design to commissioning, PCB & system fault finding, testing & commissioning of LabVIEW based test equipment for the new Boeing 777X ELMS control panels to recover timescales.

. Aerospace

. Self-managed working directly with customers

. 3D Design (Solidworks)

. Electrical design (Design Spark)

. Programming MK test equipment

**Bosch Rexroth, UK** Aug 2014 – Feb 2016

Position: Contract Lead Electrical Design/Controls Engineer/Consultant Web: boschrexroth.com

My duty was To Start / Set up and run an internal Electrical design/production dept. for ‘Factory Automation’ with in the UK as it’s a part of the company main remit for the future to provide world class systems to world class companies, such as diverse projects for GM (for the new Astra), Cosworth & THORN lighting that have been within the past 12 months.

I providing full standardization of System design, Parts, methods/standards & procurement for current and aid future projects with less design time/cost.

Day to day providing management on production/design work & also providing advice / support to all staff and customers on and off site.

. Management of electrical & site staff

. Automotive & manufacturing environments

. Budget & time control

. Robot & Vision system Programming

. Programmable Logic Controller (PLC) Programming (Rexroth Indraworks) & Visual Basic

. Pneumatic s

. Conveyors, RFID & Barcodes

. Profibus & Ethernet networking

. Electrical / Mechanical design using Solidworks

. Working with high value systems £120,000 - £2,500,000

. Training customer’s staff

. SQL Databases

**EIS-AXON Ltd, High Wycombe**  Oct 2013 – July 2014

Position: Contract Lead Electrical Design Web: eis-axon.co.uk

Provided electrical design using Solidworks Electrical 2013-2014 for Nestle & SSE & various customers to standards including Atex & IEC for Nestle we provided all control systems including product process and building management on the latest 80 Million upgrade.

. Self-managed

. Electrical / Mechanical design using Solidworks

. PLC Programming (RS Logix)

. Working with high value systems

. Atex

**Pennant Training Systems Ltd, Cheltenham**  Dec 2011 – Sept 2013

Position: Contract Electrical Design Web: pennantplc.co.uk

Designing and reverse engineer military aircraft systems to produce simulated versions for 2 full size Westland's helicopter simulator trainer's for the new Wildcat, also within this position I have co designed pennant’s Parachute trainer and various other projects also for the MOD.

On a day to day basis I had become very involved and a key active member in the whole process by solving problems, giving advice, supporting production, design & Software to determine the design and procurement process.

. Management

. VR Simulators

. Canbus / Ethernet

. Electrical / Mechanical design using Solidworks & Catia

. Panel building/wiring

. Problem solving & rectification

. Reverse engineering of military equipment

. Working with high value systems up to £10,000,000

. Bespoke PCB Design build and testing

. Fault finding & commissioning to mil STD’s

. Working with UK & Singapore MOD

**Contract System Design & Programming Engineer** January 2011 - Dec 2011

Self-employed contracts with companies such as Greencore, Burkert and various others.

. Management

. Food, Automotive& Process environments

. HMI & Programmable Logic Controller (PLC) Programming (Siemens, Allen Bradley & Mitsubishi)

. Pneumatic Knowledge and Hydraulics

. Electrical / Mechanical design using various 3D packages

. Working & communicating with customers to provide bespoke solutions and designs

. Instrumentation programming & calibration

**Burkert Fluid Control Systems, Stroud**  February 2009-December 2010

Position: Systems Application Engineer Web: www.burkert.co.uk

Using bespoke electrical/mechanical systems and designs for gas or fluid control within the food, medical and process industries using applications such as Solidworks and Elecworks while interfacing directly with the customer integrating the Burkert and including 3rd party products to produce the required system.

While within this position I worked alongside various companies- providing solutions using various materials to withstand various conditions / Acids etc., provide automated testing and monitoring using all available instrumentation products on the market, package within an number of sized enclosures or on metal framed skids,

Also the preparation, compiling of documentation for production, product and technical manuals to the highest standards working within ISO9001 system.

While at Burkert I have become a certified Profibus engineer and gained the award Profibus engineer of the year due to gaining the highest marks in the final exams

. Self-managed and sales support

. Process & Pharma environments

. Budget Control

. Good Programmable Logic Controller (PLC) Programming (Allen Bradley, Siemens, Mitsubishi, Wago)

. Pneumatic / Hydraulic & Fluids

. Electrical / Mechanical design using Eplan & Solidworks

. Chemical, Process, Brewery project design

. Profibus PA & DP

. Instrumentation programming & calibration of Burkert equipment (0-10v & 4-20ma)

. Working to high standards such as ISO9001, Atex and the medical directive

**Control-Tech Automation, Cheltenham** July 2006-Jan 2009

Position: Systems Engineering Manager / Director Web: [www.control-tech.co.uk](http://www.control-tech.co.uk)

I designed, built, Programmed and installed various bespoke equipment for food, automotive and aerospace industries, working face to face with customers such as Honda & Wiseman's Dairies on very demanding successful projects and employing and managing the necessary people when needed.

In this role, I have produced mechanical /electrical designs using industry standard software and presenting these designs / ideas in board room situations.

Within this role I have had to generate cost and budget reports to be able to provide the best price to the customer- while maintaining profit and quality that would involve liaising with suppliers, contractors and customers to provide the best solution on systems to a high value.

. Management of over 30 staff

. PLC & HMI Programming (Allen Bradley, Siemens, Omron)

. 2D & 3D Design (AutoCAD, Invertor, Solidworks)

. FMCG & high profile manufacturing

. CIP (Clean In Place) system design

**BottleTech Solutions Ltd, Cheltenham**  March 2004-June 2006

Position: Lead Systems Engineer

The design, build and programming of one off projects such as barcode scanning systems to packaging machines for products as cravendale and Wiseman’s dairies with robots using Design software packages as AutoCAD, Rswire, Solidworks and various PLC programming software’s for the food and automotive industry to a high level .

On regular occasions I have acted as a service engineer performing electrical /mechanical tasks and also training our and customers staff on any of our various products.

Within this role I have had to generate cost and budget reports to management on bespoke projects while maintaining profit and quality and that would involve liaising with suppliers, contractors and customers to provide the best solution to then produce documentation for quotations.

. Management

. Conveyors

. Budget control

. Vision systems

. Robot programming

. PLC & HMI Programming (Allen Bradley, Siemens)

. Dairy production design

. Blow Molding

**Education & Training**

St. Benedict's R.C.School, Arle Road, Cheltenham, 1984-1989

G.C.S.E results:

Science B, Mathematics C, Geography C, Design and Technology C, Art D

Gloucester Itec, Gloucester, October 1989

Production Electronic skills.

Gloscat Cheltenham September 1990

First Certificate Electronic Engineering

The Lockwell Technical & Training Centre, September 1999

Portable Equipment and Appliance Testing.

Manchester Metropolitan University,

Certified PROFIBUS Installer March 2009

Certified PROFIBUS Engineer March 2009

EC ITB Safety Passport March 2015

**Other Key Skills**

. Process, Food, Automotive, Military & Aerospace experience

. Budget Control for project and business

. Good communication skills

. Good Programmable Logic Controller (PLC) Programming & HMI knowledge

. Good Pneumatic, Hydraulic & Fluid knowledge & experience

. Good Electrical / Mechanical design experience

. Good Problem solver

. Able to setup departments and standards

. Have worked with high value and profile systems

. Test software programming

. Bespoke design of products and equipment

. Customer & Staff training

**Awards**

Mediplex innovation awards – 2nd place for HYVAC 2010

Food & Processing Awards - Automation and Robotics category for Stroud Brewery 2012

Food & Processing Awards - Appetite for engineering category for Stroud Brewery 2012

Certified PROFIBUS Engineer of the year 2009 -2010 June 2010

**In-house Training**

Siemens Step 7 PLC Programming. February 2000

G P Win Touch Screen Programming March 2000

Beijer's Mac & Series Display Programming May 2000

Allen Bradley RS Logic 500 PLC programming May 2000

G X Developer Mitsubishi PLC programming March 2001

Allen Bradley RS Logic 5000 PLC programming March 2004

Siemens ASI Safe July 2004

**Other**

Gained SC Clearance from Home Office Sept 2012

**Computer Skills**

.Programmable Logic Controller & HMI programming software’s

Allen Bradley (All PLC’s), Siemens TIA Portal ( S7-300,1200, WinCC ), Mitsubishi, Rexroth, Beckhoff & Codesys

. Microsoft Office

. Solidworks 2004-2016

. Solidworks Electrical (Elecworks)

. Eplan

. PromisE (Rswire)

. Man-Man, Protos, Sage, SAP, Microsoft CRM, E2i

. AutoCAD including Inventor

. OrCAD

. Designspark PCB

. Microsoft Visual Studio (some C++ & Visual Basic)

. Adobe Illustrator, Photoshop & Dreamweaver