# Peter B

## Personal Information

- Marital status.        Married one child.
- Nationality:        British
- Date of Birth:        dd mm1969
- Place of Birth:        Truro, Cornwall

## Professional Skills

- General analogue and digital electronic design.

- Software Engineering- Desktop (PC) and Embedded

- Switch mode power supply design

- Embedded systems – 'C/C++' and assembler

- Schematic capture and PCB Layout

- Custom RTOS development

## Personal Statement

I have a proven track record in electronic product development. I take a broad product based view, and generally take the product from concept to volume introduction. I utilise a broad base of skills , providing hardware, software, and PC based utilities.  I am a hardworking and enthusiastic person, with an excellent timekeeping record, and spotless sickness/absenteeism record for around twenty years. I am adaptable in nature, and can communicate effectively at all levels. I am experienced in design and test of electronic systems within a commercial environment. My electronic knowledge is supported both on a professional level and also by many years personal interest and experimentation in the subject.

## Professional Experience

**Present Employment**

### Principal Engineer

**May 2013   – Present        xxxxxxxxxx**

Design and Development of lighting and power products
for the Rail, Atex, and commercial sectors.
Switch mode PSU design
Embedded systems.
Dali firmware stack .
Light Engines
Requirement and Schematic Capture
PCB Layout
EMC and LVD pre-compliance
New product introduction

**Previous Employment**

**January 2010   – May 2013      Set top box industry**

**Leading Engineer**
Design, development, and qualification of DC-DC converters.
Design of power architecture for set top boxes.
Thermal simulation of same, at PCB and enclosure level.
Design development of test tools and methodology (embedded systems and PC 'console' apps).
Cost reduction of existing designs.

**September 2007 – January 2010        Wireless telecoms industry**
**Embedded Systems Engineer**
Embedded systems design (hardware and software) -  C/C++ , RTOS systems for the telecommunications (WiMax, TDD-LTE) industry. Design and coding of windows based test consoles for same products. (.NET / visual studio programming) to create tools. Additional duties include software release build and test. This permanent role was created for me by my previous contract client.

**April 2006 - September 2007   Wireless telecoms industry**
Freelance contractor; embedded systems design (hardware and software) -  C/C++ , RTOS systems for the telecommunications (WiMax) industry. Design and coding of windows based test consoles for same products. (.NET / visual studio programming ) to create tools.

**2002– 2006              Commercial/architectural lighting**

**Electronics Design Manager**
Design of high frequency cold cathode and LED ballasts, and associated control equipment.  Design of embedded control systems(C and assembler). Design role is full cycle from concept, schematic design/capture, PCB layout, and introduction to volume manufacture. Support of products internationally, particularly the Middle East.

**2000 – 2002            An Electronic design consultancy**

**Design Engineer**
Design of electronic systems from concept to finished product. Embedded C and assembler programming. (PIC and others.)
CPLD/FPGA development (using graphical tools and VHDL).
General analogue and digital electronic design, some power work.

**1996-2000            An Electronic sub contract manufacturer**
**Test Engineer**
Test and fault find of electronic systems using ATE and bench equipment. Diagnosis to component level of telemetry, networking and power systems.

**1994-1996   Manufacturer computer upgardes (amiga/atari )**
**Test Engineer**
Test and fault find of computer peripherals using bench tests. Diagnosis to component level..

**1992 –1994            Department of  Employment        Sheffield**
**Civil Servant (Admin Assistant)**

I.T. Help Desk and general clerical duties for the Overseas Labour service. Liase with Home Office and external consultants.

**1986 – 1992          Various                              Various**
 **Various general clerical and labouring**
Whilst in education and afterwards I supported myself  by taking clerical and labouring work.

**Education**          **University of Bolton**

- MSc Electronic Product Development,

**1986 - 1988          Longlands College of  F. E.          Middlesborough**

- OND Computer Technology. All units passed - merit or distinction.

**1980 -1985          Saltscar Comprehensive School     Redcar**

- 9  O'levels (Biology, A, Physics, B, Chemistry, B, Maths, B,  English, B, Computer Studies, B, Latin, C, Geography, C, Religious Studies, C.

**Hobbies**          Developing small embedded micro projects. General electronics projects. Read broadly (history/philosophy, popular science, some fiction).