Curriculum Vitae

██████ ████████ **(BSc)**
Software Engineer
█████████████
█████████
████, ███████

tyco
Panasonic
OKI
Micrelec
Lloyds TSB

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I am a professional Software Engineer highly experienced in Research and Development areas. My approach combines the ability to work well under pressure with excellent interpersonal skills. I am flexible, adaptable and enjoy working on a variety of projects. Seeking a fresh challenge in a new **permanent** role which to contribute my skills.

Work Experience:

2019 Permanent **GUI Software Engineer** for Powerlase. Developed a number of menus and features for hand held laser devices and their interfaces. Debuged exising code and DLLs.

2017-2018 Contract **Embedded Engineer**, EMS.
Safety Critical software for smoke and heat detectors, wireless remote controlled by
panel (CIE) devices. Bugfixing and feature updates, remote range extenders, configuration software, programming and debuging comms interface to sounder beacon devices.

2015 - 2016 Contract **Firmware Engineer**, STI
Working on Smart metering devices and associated apps. Comms work (including Zigbee protocols), Energy calculations and algorithms, Real Time graph calculations, and
module testing.

2008 - 2014 **Design Engineer**, Tyco (ADT).
Worked for 6 years at this company, 2 of which designing and maintaining a new FV400 flame detector, which involved transposing Intel 8051 code. This was developed using a PC platform with languages including assembler, Visual Basic and C. It has been controlled by several devices including the Twido PLC range featuring Modbus. The PLC's, the detectors and the panels have all featured comms using RS232 and RS485.
For 4 years I maintained and introduced new code for our new Minerva fire panels (MX1000 and MX4000). Projects have included low level firmware features, and higher level engineering menus for hardware testing, dual boot ROMs etc. Languages have included ARM 9 assembler, C and C++. Bug tracking via MKS, project archiving via PVCS.

2007 - 2008 **Senior Software Engineer**, Vertu (Nokia).
Temporary contract work for Nokia, lasting approximately 1 year. My work was mainly on the Cameo handset, producing GUI menu displays and graphics written in C/C++. The development platform was Ultrix, with clearcase version control. (continued)
(page 2 of 2) New graphics icons were implemented via Metaedit and Adobe, with

codecs improved for multimedia programs and pictures. UML design was used for parts of this work. Maintenance work was carried out on a TCP/IP stack.

2004 - 2007   **Principal Software Engineer**, Whites Enterprises.
    I wrote Software (PC based) for drivers and LCD displays. Anaolgue motors were controlled for effect in lighting rigs. PC utilities and apps for displays and effects written in C/ C++, with additional coding using COM and Borland tools. Audio effect boxes were developed and used via C and assembler (80x86, 8051). PC applications and utilities for target devices via Windows 9.x and XP using C, C++ and Visual Basic. There was no official version control/ backup, so I was obliged to create a basic one myself. No networking was usually available, although this did give me some exposure to IPX network setups for occasional PC use.

2000 – 2003 **Software Engineer**, Panasonic mobiles
    Design and development of MMI/ GUI on GD30, GD35,GD67, Games, graphics and ringtones deigned/ implemented as Multimedia components. Designed and implemented PC toolkits and applications for games and ringtone downloads. Graphic design work including icons, handset animations, handset status etc. Coded C/ C++ using MS studio, MFC and VB

1995 - 1999   **Principal Software Engineer**, TEC Ltd.
    Designed and developed the TC4000 unit, a dye machine controller.
Hardware drivers including LCD displays, analogue valves, digital valves and heating units. Embedded (RT) Firmware for in-house O/S utilising low level assembler and C.PC applications for Windows 9.x using C++ and C for driving dye controllers.

Education:
1984 - 1988   Computer Science Degree (2.1) at South Bank University.
Main subjects; Programming, Software design & methodology, Hardware principles,
                Programming theory, Mathematics.

1979 - 1981   OND in Technology (73.8%) at Croydon Technical College.
 Main subjects; Electrical, Electronic and Mechanical Engineering, Computer studies,
                Mathematics, Physics.

1974 - 1979   Secondary Education at Lanfranc High School, Mitcham.
                O levels: Mathematics (A), Physics (A), Electronics (B), English Lang.
                (B), English Lit.(C)

Personal Information
Marital status: single   Driving License: Clean, 25 years   Nationality: English
References:
Available on request.