

Curriculum Vitae

23/7/2023

Name: Howerd Paul Oakford
Born: 28.10.1954 in Lowestoft, UK
Nationality: British, also German since 06/12/2018

Status: Married
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Education

09/1965 – 08/1972 **Lowestoft Grammar School**, Lowestoft, UK. A-levels in Physics, Chemistry, Applied Maths, Pure Maths.
09/1973 – 08/1976 **Trinity College, Oxford University**, MA(Oxon) in Physics, specialising in Nuclear Physics and Electronics.
01/1985 **Advanced polyForth course**, Forth, Inc. Los Angeles, USA

Work Experience

Please click here for more details : https://www.inventio.co.uk/Howerd_Oakford_CV.pdf

08/2022 – present Senior Softwareentwickler, Bertrandt AG / StreetScooter GmbH (Qt5, Qt6, C++, QtCreator, QWidgets, QML, qMake, CMake). Development of the viisi Graphical User Interface using Qt6 CMake and QtCreator with QML. Porting of the SIA/GFS/DIAP Graphical User Interfaces from Qt5 QWidgets/qMake to viisi Qt6 QML/CMake..

10/2020 – 7/2022 Senior Softwareentwickler, Bertrandt AG / Volkswagen, Huawei (ARM64, GNU toolchain, Ubuntu) Development of the VW AIO (Ampelinformationen Online) system, Autosar, SOME/IP, Eclipse, Visual Studio Code for AArch64, Aspice and KGAS.

05/2020 – 09/2020 Senior Softwareentwickler, Bertrandt AG / Vaillant GmbH (NXP ARM, ST ARM, GNU toolchain, Xubuntu) Development of the Cost Attractive Gateway, an ARM iMX6 SoloX based communications gateway.

08/2018 – 05/2020 Softwareentwickler, ESE GmbH/ Siemens Cargo (Eclipse, Visual St., AVR, ARM,PC) Project control of the Wireless Sensor Network (CTwsn), LOEP controller board (ST ARM, SIL2 dual redundant) and LOEP Configuration Tool (C#).

01/2017 – 06/2018 Softwareentwickler, Brunel GmbH/ Siemens AG (Ubuntu Linux, ARM, Nios2). Developing an ARM and Altera FPGA based dual redundant train safety system.

09/2016 – 01/2017 Softwareentwickler, Slock.it UG (Ubuntu Linux, ARM)
Compiling Go and Geth (Go ETHereum) client.

08/2016 – 09/2016 Sinar Technology Ltd (BLE Hardware development)
Development of Bluetooth Low Energy (BLE) / LoRa serial link.

06/2016 – 07/2016 Xecnet, SW developer (Ubuntu Linux)
Proposal for Distributed Autonomous Organisation (DAO) on the
Ethereum Blockchain system.

02/2016 – 05/2016 EDMI Limited, Smart Meter SW developer (ARM)

06/2015 – 01/2016 Hanover Displays Ltd, embedded SW developer (ARM)
Development of Electronic Route Indication Controller (ERIC),
an information display controller for transport systems.

07/2014 – 03/2015 Landis & Gyr /Toshiba, Smart Meter SW developer (ARM)

05/2012 – 10/2013 Suss Microtec AG (München), embedded SW developer (ARM)

12/2011 – 04/2012 NXP Semiconductors GmbH (Hamburg), Smart Card dev.

03/2011 – 11/2011 Itron Metering Solutions UK Ltd, Smart Meter SW dev. (ARM)

08/2010 – 02/2011 Infineon Technologies AG (Graz, Österreich), Smart Card dev.

03/2010 – 05/2010 Markem-Image Ltd, embedded SW developer (Infineon XC161)

07/2008 – 02/2010 Eltek Ltd, HW & SW developer (TI MSP430)

05/2008 – 07/2008 Westweigh Ltd, embedded SW developer (8051)

09/2007 – 04/2008 Renesas (UK) Ltd, embedded SW developer (Renesas SH7254x)

10/2005 – 06/2006 Metric Group Ltd, embedded SW developer (ARM)

07/2004 – 05/2005 Marconi Selenia Secure Systems, embedded SW dev. (8086)

02/2003 – 04/2004 Alaris Medical, embedded SW developer (ARM)

10/2001 – 03/2002 Matsushita Mobile / Panasonic, embedded SW dev. (ARM)

08/2001 – 10/2001 De La Rue Cash Systems, embedded SW dev. (68000)

07/2000 – 06/2001 Matsushita Mobile / Panasonic, SW dev (TCP/IP)

since 07/2000 **Computer Consultant, Inventio Software Ltd**, United Kingdom

09/1998 – 10/1998 Racal Radio Ltd, embedded SW developer (UDP/IP)

10/1994 – 12/1995 EMV / MicroProcessor Eng., embedded SW dev. (V25/80186)

10/1994 – 12/1995 Philips / MicroProcessor Eng., embedded SW dev. (68000)

10/1985 – 03/1986 Forth, Inc. / Avco Inc (USA), embedded SW dev. (80x86)

10/1982 – 10/1983 Broner/Protos, embedded SW/HW dev. (8051)

10/1981 -- * JBC Systems/Westweigh, embedded SW/HW dev. (8051)

10/1981 – * Sinar Technology Ltd, embedded SW/HW dev. (CDP1802, 8051)

10/1981 – 06/2007 **Computer Consultant**, United Kingdom

05/1979 – 09/1981 **Software/hardware developer**, Rofin Ltd / Sinar Technology Ltd

11/1977 – 04/1979 **Test Engineer**, Computer Electronics Ltd, Saffron Walden, UK

Note * Supporting these companies

Other Skills

Languages: English – mother tongue
German – „good“

Software: Specialised in embedded software : Assembler, C/C++, C#,
Forth, Javascript, PHP, Python.
Cryptography and secure communications, protocols.
MS Windows/Office, Linux (Ubuntu, Debian)

Other: German/Euro Driving License

Hobbies: Piano/keyboard, guitar, walking/cycling, Forth.

Non-UK Contracts

05.2020 – Bertrandt AG (NXP ARM, ST ARM, GNU toolchain, Xubuntu)

08.2018 – 05.2020 E.S.E GmbH (Braunschweig), SW developer (ARM, iMX6, AVR)

01.2017 – 07.2018 Brunel GmbH (Braunschweig), SW developer (ARM)

10.2016 – 01.2017 Slock.it UG (Mittweide), SW developer (ARM)

05.2012 – 10.2013 Suss Microtec AG (München), embedded SW developer (ARM)

12.2011 – 04.2012 NXP Semiconductors GmbH (Hamburg), Smart Card dev.

08.2010 – 02.2011 Infineon Technologies AG (Graz, Österreich), Smart Card dev.

10.1985 – 03.1986 Forth, Inc. / Avco Inc (Alabama, USA), embedded SW dev.