

Mark Dival

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PROFILE

An experienced Chartered **Electronic and Software Engineer** with extensive knowledge of Real Time programming. Considerable experience of multi-tasking operating systems including 10 years of Symbian OS.

- Designed and implemented microprocessor based products and systems encompassing both hardware and software.
- Designed, developed and implemented hardware and software products from prototype to production.
- Provided technical support for customers on site at home and abroad.

TECHNICAL SKILLS

Programming Languages: C++, Assembler, C, Pascal, FORTRAN, Basic.
Microprocessors: ARM11, ARM9, ARM7, 680XX, PPC403, 68332, 680X, 6502.
Operating Systems: Symbian OS, OS9, pSOS, VRTX.
Hardware: Logic design and peripheral interfaces.

EMPLOYMENT

Symbian Ltd. (*Wholly owned by Nokia in 2009*) **1999 – 2009**
(Providers of the operating system for major mobile phone manufacturers)

Senior Developer Consultant 2007-2009
Transferred to Symbian Marketing department and technically managed the Platinum partner helpdesk (1:1 customer support).

- Moderated and contributed to the Symbian SDN & SDN++ on-line forums for technical issues.
- Attended developer events: Mobile World Congress, Symbian Partner, Symbian Smart Phone Show.
- Provided technical support to Symbian licenses, developers and customers.
- Produced FAQs, example code, and other helpful material that supported Symbian developers.
- Validated Semiconductor manufacturers NAND memory solutions for acceptance on Symbian OS.

Technical Consultant 1999-2007
Supported mobile phone manufacturers (included Nokia, Sendo, Siemens, Samsung, LG, Sharp, Lenovo) in productising (fixing show stoppers / critical defects) together with development work on non-released phones, before market launch.

- Provided technical support at customer sites in the UK, globally and also from office and home.
- Supplied technical support and training to Nokia Platform Program.
- Carried out various development projects with TI which included digital television.

Origin UK Ltd. (*A major IT Consultancy*) **1994 – 1999**

Software Engineer to Project Manager
Assigned as a Software Engineer or Project Manager that depended on the projects being developed.

Projects included

- AL8400 assembly language programming for telephone products.
- Hardware design of an Intelligent Cassette Interface unit for an ATM machine.
- Software and Hardware design.
- Developed and debugged an Ethernet to Token Ring interface unit.
- Developed calibration interface for a F1 (Formula 1) racing car gearbox and throttle control system.
- Supported work for a F1 logging systems and communication protocols.

Marconi Radar and Control Systems Ltd. (MOD Military Contractor)

1994 - 1994

Software Consultant

Following on from below a short period of contract work, to set up a software environment and transfer over the project that I had developed at Pro-Active Control.

Pro-Active Control Ltd. (Contract based Consultancy)

1993 - 1994

Senior Software Engineer

Responsible for a communications operational voice network system, included the design software coding and successfully passing the customer acceptance requirements. System consisted of:

- Multiple OS9/68020 systems in a main / standby hot swap configuration.
- Multiple PCs with various interfaces.
- Analogue switch matrix for voice calls.
- Interfaces included TCP/IP, DTMF signalling, radio PTT switching and telephone connections.

V. G. Electronics. (*Fisons Scientific Equipment Division*)

1980 - 1993

(*Design and manufacture of teletext and broadcasting equipment*)

Software Consultant

1990 - 1993

Chief Software Engineer

1987 - 1990

Senior Design Engineer

1983 - 1987

Design Engineer

1980 - 1983

- Hardware / Software knowledge and design of teletext transmission systems.
- Responsible for projects from initial design stage to completion.
- Customer liaison and product support at home and abroad.
- Products included: microprocessor based teletext transmission system, editing terminals and teletext data management systems.

Decca Navigator Company Ltd. (*Design and manufacture of marine navigation equipment*) **1978 – 1980**

Assistant Engineer

- Knowledge of Navigation Systems: Decca, Omega, LoranC.
- Motorola 6800/6809 Assembly programming language.
- Design of TTL Logic and Microprocessors systems.

QUALIFICATIONS

C.I.T.P. (Chartered IT Professional).

C.Eng. (Chartered Engineer).

M.B.C.S. (Member of the British Computer Society).

B.Sc. (Hons) in Electronic Engineering, University of Sussex (1975 . 1978).

Subjects: Computer Engineering, Computer Applications, Pascal and FORTRAN Programming, Electronic Circuits, Communications.

O.N.D. (pass with commendations) in **Technology**.

TRAINING COURSES

Symbian OS (EPOC) Developers & Porting. ARM Technical. C++ Programming.
Communications & Assertiveness Skills. pSOS+ Overview. VRTXmc Porting.
Object-Oriented Analysis & Design. Project Management.

VOLUNTARY WORK

School Governor, Scout Executive Committee.

INTERESTS

Dinghy Sailing (RYA Level 1 & 2). House renovation, including building works.
Spending quality time with my family.