

Bob Standen

BEng (Hons), MIET

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I am a Systems Architect with a background in Internet Security, Mobile Communications, Broadcasting and Electronic Engineering. I am also:

- An enthusiastic, passionate, organised and disciplined individual with a thirst for knowledge and learning;
- A creative thinker with a desire for achieving goals and success;
- A professional engineer who creates novel and elegant solutions for mobile network-connected solutions across a wide range of industries. One who gives advice and direction based on technology trends and best contemporary practice; *and*
- A reliable and experienced person who oversees successful projects through the use of widespread and continuous communication, efficient processes and attention to detail.

Employment

Senior Technical Architect

Digital UK

September 2018 to date

Key Achievements:

- Established as key contributor in the conception, architecture and delivery of the transformation of a core metadata system from an on-premise deployment to public cloud
- Delivered specifications and other mission-critical documentation to technology partners

Roles and Responsibilities:

- include the design, specification and evangelisation of the Freeview Play platform
- working with partners and suppliers to develop, test and support new technical functionality.

Distinguished Architect

BlackBerry

February 2016 to May 2018

Key Achievements:

- Continued leadership, consultancy and design of the end-to-end architectures central to several multi-million dollar contracts around the globe
- Developed new services and technology business from both new and existing customers

Roles and Responsibilities:

- Supporting pre-sales activities: Delivering presentations and conducting workshops to evangelise and promote technology to potential customers
- Domain expertise in data security: Cryptography and its applications and implementations
- Acting as the “go-between” between internal departments, customers and partners
- Maintaining, merging and developing the end-to-end architectures of Good Technology’s products with those of BlackBerry

Principal Systems Architect

Visto/Good Technology

February 2004 - February 2016

Key Achievements:

- Successfully completed a 12-month secondment in South Korea: Opened an office, recruited local project manager and field engineer. Handed over to Regional Manager.
- Co-inventor on several patents (both pending and granted)
- Participated in legal proceedings to successfully defend patented technology
- Participated in due diligence activities in relation to acquisitions
- Built partnerships with vendors of innovative and disruptive technology: Trusted Execution Environments, Hardware Security Modules, Embedded Secure Elements

Roles and Responsibilities:

- Responsibility for the end-to-end architecture of Good Technology’s carrier-grade push-email product: In particular, owning the network and handset software designs.
- Specifying core system designs and liaising with development departments
- Analysing integration requirements, following up with on-site technical support
- Maintaining in-depth familiarity with Android, Apple, Windows and proprietary embedded operating systems

Principal Systems Architect

Psion Digital Ltd

August 2000 - February 2004

Key Achievements:

- Specification of wireless communications aspects of the Symbian Operating System
- Successful delivery of software for DAB Radio products
- Representing the company both in the UK and abroad as the sole technical point of contact for developers and other partners.
- Participated in employee consultations during acquisition by Visto Corporation

Roles and Responsibilities:

- Responsibility for the design and architecture of end-to-end, connected systems for GPRS-enabled Symbian devices, DAB Radio products, and Psion's legacy hand-held organisers
- Provision of technical specifications and documentation for a variety of audiences, including external parties
- Development of a number of products using internal resources and external contractors

Development Manager

Harris Corporation

January 1999 - August 2000

Key Achievements:

- Designed and delivered bespoke automation software to broadcasters worldwide
- Quickly promoted from Senior Software Engineer to Development Manager
- Led a team of 4 engineers

Roles and Responsibilities:

- Held responsibility all desktop, laptop and server machines, and management of Internet connectivity for UK-based employees
- Software Development using C, C++ and Delphi
- Network management in a mixed environment with MS Windows and Linux hosts

R&D Engineer

BBC Research & Development

September 1993 - January 1999

Key Achievements:

- Programme Schedule Automation: Implemented the electronic programme guide for the then emerging digital TV services
- Digital Audio/Video Networks: Produced a prototype digital video trading platform
- Radio Data System (RDS): Developed technology demonstrator of live traffic information
- Digital Audio Broadcasting (DAB): Implemented system to add data streams to DAB services

Roles and Responsibilities:

- Software development in C and C++
- Attendance of conferences, membership of collaborative organisations, representing the BBC both in the UK and abroad.

Education

**Electrical and Electronic
Engineering with French**

**Bachelor of Engineering
(Hons) 1993**

**University of Nottingham
Faculty of Engineering**

I gained an Upper Second Class Honours degree, the main features of which included:

- Software Engineering, Communications Systems, Microelectronics, Maths;
- Some courses taught in French; *and*
- A final year project conducted in association with the BBC.

Interests

- I enjoy travelling, for business or leisure. Confident in French and with basic German.
- I am learning to fly light aircraft. Flying is a fun, thrilling and practical link between my love of all things physical, scientific and procedural.
- I restored an old moped for the sheer fun of it, and am starting work on a second.
- I enjoy skiing and snowboarding. I also enjoy cycling – both for keeping fit and as a means of transport.