Richard Taylor

APPLICATIONS TECHNICAL LEAD

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Profile

Innovative and dedicated software engineer with more than 15 years experience, working for both start-up and blue-chip multi-national companies. Equally at home in front of a customer or a compiler, and recognized for excellent productivity combined with strong technical and team working skills.

Key Skills

Languages:	C++, STL, Boost, MFC, Python, JavaScript, C#, SQL, HTML, CSS.
Tools:	Visual Studio, Mercurial, Git, Bugzilla, CPPUnit, DevPartner Studio.
Skills:	Software Architecture and Design, Agile Estimation, Planning and Development, Internal & External Technical Communication.

Career History

Product Manager
IndigoVision Ltd

2013 – Present
HTML, JavaScript

- Drove adoption of a new roadmap planning process designed to achieve consensus across all levels of the business. The new process has now been successfully rolled out across all business groups.

- Present regular technical briefings for key customers, trade events, and the worldwide sales team. These briefings are essential to retaining existing customers and attracting new ones.

- Manage OEM partners through the definition, customisation, and delivery of new products with expected revenue of >$1MM per annum.

- Defined a summer internship project to develop new sales tools, and provided mentoring and technical management throughout the intern period.

Applications Technical Lead
IndigoVision Ltd

2010 – 2013
C++, STL, Boost, MFC, Python, HTML, JavaScript

- Responsible for overall system architecture as well as process, coding, and technical standards for the flagship Windows front-end to IndigoVision's distributed IP video security and alarm management system.

- Designed and developed a significant update to the Control Center mapping interface. The combination of dynamically scalable maps and operational data provides a uniquely intuitive interface to large scale security systems.

- Extended the custom Python build system to automatically generate a build manifest suitable for driving the public download page. This greatly simplified and accelerated the release process while reducing the risk of manual errors.

- Received an "Extra Mile Award" for excellence in technical leadership and mentoring of the team.

Senior Software Engineer
IndigoVision Ltd

2005 – 2010
C++, STL, Boost, MFC

- Redesigned the alarm video display functionality to improve alarm response times and operational awareness. The asynchronous event-driven architecture

handles thousands of alarms while maintaining GUI responsiveness.

- Worked with major customers to deliver critical performance, scalability, and architectural improvements to the proprietary network-shared database.

- Drove adoption of new tools and technologies that improved productivity and quality, including the Boost C++ library, and CruiseControl.net.

Contract Software Engineer
Teradyne Diagnostic Solutions (3 contracts)

2004 – 2005
C++, STL, MFC

- Designed and developed the user interface and application control layers for a next generation vehicle test appliance.

- A powerful and flexible data-driven framework allowed all project milestones to be completed on or ahead of time despite frequent requirement changes.

Senior Software Engineer
Agilent Technologies

2002 – 2004
C++, MFC

- Proposed and negotiated agreement for a challenging and unique product that has proved to be an excellent match to customer needs, generating multi-million USDs revenue per quarter.

- Responsible for the design and development of an advanced Windows graphical user interface.

- Received awards for patent applications related to inventions made during the design and development of this product.

Business Development Engineer
Agilent Technologies

2001 – 2002

- Led product presentations to customers across four continents.

Software Engineer
Agilent Technologies +Hewlett Packard, Libra Syscom

1997 – 2001
C++, MFC

- Developed a graphical statistics display module, and a test configuration and control architecture, both in Visual C++.

Education &
Training

External Training Courses
- IndigoVision Leadership Development, The Leadership Trust.

- Building Market Focused Organisations, The MFL Group.

- CCS/Network Operations & Maintenance, Telcordia Technologies.

University of Strathclyde
BEng (Hons) Computer & Electronic Systems

1993 – 1997
2:1

Interests

- Captain and team organiser, Dalmeny Dodgers Softball Team.

- Personal web development projects including a live-updating weather display for a personal weather station and a character manager for a home-brew RPG.