

# David Millington

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ITINERANTDEVELOPER.  
BLOGSPOT.COM

## PROFILE

Experienced and passionate developer, software architect and UI designer. Eight years' experience professional design and development of cutting-edge software aimed at a worldwide market. Project manager and team leader, with a history of releasing high quality, reliable and beautiful products. Company representative at international events. Literate, intelligent, team player, and has a sense of humor. Fifteen years of experience with, and love for, Delphi. Enjoys learning and travel.

## EXPERIENCE

### SENIOR SOFTWARE DEVELOPER

MYRIAX PTY LTD,  
2011-PRESENT  
C++ & DELPHI  
WORKING REMOTELY:  
GERMANY & ESTONIA

Design, maintain and develop cutting-edge scientific visualization and analysis software using multi-gigabyte data sets. Perform requirements analysis, specification, implementation, testing and bug-fixing of all software areas, especially the core architectural features and the main user interface. Promote in-house awareness of UI design and software usability. Write tutorials and other documentation for complex features, and on concepts and core knowledge. Provide technical support for customers, including time-critical solutions. Represent the company at international conferences. Assist in training courses run worldwide.

### PROJECT MANAGER & SENIOR DEVELOPER

MYRIAX PTY LTD,  
2005-2011  
C++ & DELPHI

*As above, plus:* Manage software releases, working with developers, quality assurance, sales & marketing and clients. Responsible for project time and feature delivery. Promote in-house education and professional development, and encourage knowledge sharing across departments.

### TECHNICAL LEAD & DOCUMENTATION LEAD

GETBUSI INC, 2004  
DELPHI & C

Work with a small team on a year-long University project in partnership with a local technology firm. Design, implement and document new Windows internet filtering software. Implement a Windows kernel driver to perform filtering.

## NOTABLE PROJECTS

- Monitoring and control-interfacing system on an autonomous underwater vehicle (AUV). Robustly runs unattended, communicating with sonar software and AUV control system.
- Design and implementation of a multithreaded, task-based data processing framework integrated with and over time replacing a legacy singlethreaded application design
- Development of UI controls, including the core object connection interface for the software: an object graph control and zoomable user interface. Conversion of the application from OWL to VCL: rewrote the user interface, and primarily responsible for whole-application visual design
- Design and implementation of: a fast, interactive 3D view for multi-gigabyte-sized data sets; COM automation architecture; a mathematical equation engine, including equation evaluation, rendering and visual editor
- Management of several product releases, on time (mostly), of high quality (always), and to feature
- Representing the company at several conferences and training courses internationally, including on board a US vessel during the Deepwater Horizon disaster

## PROFESSIONAL PRESENCE

- Active member of the Delphi and C++Builder user community, with a tech blog at [itinerantdeveloper.blogspot.com](http://itinerantdeveloper.blogspot.com). Stack Overflow reputation of about 5K.<sup>1</sup>
- Open source projects: TTransparentCanvas, an alpha-transparent composited drawing class, implemented with pure GDI; TFireMonkeyContainer, a VCL control to host a FMX form within a VCL application.<sup>2</sup> A third, unpublished project is a memory manager designed for multithreaded applications, also adding important security features not found in other Delphi memory managers.

## EDUCATION

- University of Tasmania Bachelor of Computing, 2004
- The Hutchins School Robert Nettlefold Scholarship, 1996-2001

References available on request.

<sup>1</sup> <http://stackoverflow.com/users/121689/david-m>

<sup>2</sup> <http://itinerantdeveloper.blogspot.com/p/open-source.html>