



Capability Statement - December 2009

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Lumient
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Company Profile

Lumient specialises in the delivery of quality bespoke software systems.

At Lumient we pride ourselves on ensuring we provide our clients with the best quality services in our fields. Our experienced, dedicated professionals blend technical expertise with a demonstrated ability to deliver tailored solutions to meet our client's needs.

Lumient provides skills in the specification, design, implementation, documentation and maintenance of large software systems. We have extensive experience in working with Legacy systems and maintain a broad knowledge base to allow us to make the best decisions of how to incorporate or replace legacy functionality.

Corporate Philosophy

The difference with Lumient can be summed up in three words: appropriate, free, delivery.

Appropriate

Lumient is able to offer higher quality and superior value through the use of appropriate tools and designs with an appropriate complexity. All business processes and software have different requirements and all programming environments and tools have different strengths.

At Lumient we maintain skills in a broad range of tools and techniques to be able to choose a development process that is appropriate to the needs of our client. Lumient maintains comprehensive code libraries and solution architectures that can be used to facilitate rapid development. However, every problem is different and we strive to balance code reuse with new development to maximise the quality and value of the end product. As Einstein said: "Everything should be as simple as it can be and no simpler".

Free

Many companies are looking to "lock in" their clients and make sure they are not able to move to a competing provider. At Lumient we want you to be free. We don't want you to feel constrained to always use Lumient - our work will ensure that you never want to use anyone else. When we develop a software solution you will have access to all your code and a perpetual license on any in house libraries we supply. Where possible we use open standards and tools to ensure you have the maximum possible freedom for the life of your product.

Delivery

Lumient has a strong relationship with Paradigm.Icon who specialise in the provision project planning and management services. From this alliance Lumient is able to leverage tools, techniques and practices that encapsulate 17 years of accumulated knowledge in the art of project management. For our clients this means superior visibility of project progress and complete confidence that we will deliver on time and on budget.

Key People

Paul Coldrey (B.E, B.Sc)

Paul has been working as a contract analyst programmer / technical architect for 11 years. He has working in a wide range of industry sections comprising both local and international projects. He was the key designer and implementer of a collection of project management tools that are used by a significant number of large enterprises, including a number of multi-national companies.

Paul has a background in Electronic Engineering that gives him the ability to understand systems that involve a mixture of software and hardware - whether this is firmware development or in production automation systems.

Paul has worked extensively on Medical Device development for the US market as well as developing key software systems for the Emergency Services. Hence he is familiar with rigorous quality systems and with the requirements of mission critical systems.

Richard Mulchrone (Microsoft Certified Professional)

Richard has been working in the software design and development industry for the last 10 years, and has extensive experience in industries such as accounting, manufacturing, commercial software development and government.

Richard is also a qualified electrician, which enables him to communicate well with tradespeople for manufacturing solutions, as well as giving him experience with PLC-based logic systems.

Most recently Richard has been involved in large scale .Net developments, but also has skills and experience with legacy programming languages such as pascal, PL1 and Cobol.

Richard has been involved in many critical systems and has had final responsibility for installations requiring 99.9% uptime, with penalties for downtime.

Industry sectors

With a wealth of software development experience Lumient has specific knowledge about a wide variety of industry sections and software sectors. Some key areas are listed below:

- Medical devices
- Accounting
- Time tracking and funding dispersement
- Production Automation and Robotics
- Metrology
- Government
- Ophthalmics
- Expert Systems
- Corporate Intranet / Internet system
- Project planning and tracking systems
- Web-based shopping systems
- Information systems
- Electronic devices and Embedded firmware
- Mobile device development
- Commercial software development
- Retail software solutions

Technology

To be able to provide you with a solution that is tailored to your individual needs Lumient maintains skills in a broad range of software development technologies.

.Net

- .NET 2.0, 3.0, 3.5
- XAML / WPF (Windows presentation framework)
- C# and VB.Net
- ASP.Net
- Web Services
- Compact framework

General

- C, C++
- Python, Perl

Linux technologies

- LAMP (Linux, Apache, MySQL, PHP/Python)

Web

- HTML, XHTML, CSS standards
- Web 2.0 / Rich Internet Applications – AJAX, ExtJS, DevExpress
- PHP
- Flex
- XSL / XSL-FO
- Javascript

Database

- MS SQL (SQL Server) / Transact-SQL
- MySQL
- PostgreSQL
- Oracle / PL-SQL
- SQLite
- XML / XSL / XSD
- MS Access

Embedded

- Atmel
- ARM
- PIC
- NIOS
- Jennic