

***RloT International Pty Ltd***

***RloT International Pty Ltd***

*23 Tyrone Loop, Margaret River 6285, Western Australia*

***Phone:*** +61 43 234 8856

***Email:*** [info@riot.international](mailto:info@riot.international)

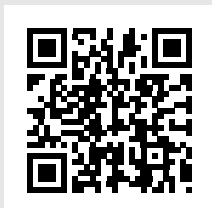
***ABN:*** 93 547 927 885



## **Services**

as published on <http://riot.international/>

*For the latest version of this content visit:*  
<http://riotinternational.prod.pdf.1stba.se/services>



## Table of Contents

Table of Contents	2
Services	3
1 Technical Leadership	4
1.1 Development Methodologies	4
2 Project Management	5
3 Coaching and Mentorship	6
4 Technical Due Diligence	7
4.1 Risk Management	7
4.2 Open Source	8
5 Software Development	9
5.1 Programming Languages	9
5.2 Mobile Development	10
5.3 Firmware Development	10
6 Hardware Prototyping	11
6.1 Arduino	11
6.2 Raspberry Pi	12

# Services

RIoT International provides the following technology services to its customers.

# 1 Technical Leadership



## 1.1 Development Methodologies



RIoT International can identify the appropriate development methodology.

Our team has experience in all major development methodologies from waterfall through to the ever increasingly popular agile and we understand that each has their own advantages and disadvantages. We can identify the appropriate development methodology; or even a combination of them to best match your requirements.

# 2 Project Management



# 3 Coaching and Mentorship



## 4 Technical Due Diligence



Do you require technology review for the means of acquisition or investment?

RIoT International is capable of offering technical due diligence services to assist in the review of technological companies for the purpose of merger and acquisitions or investment purposes. Our team is capable of identifying upcoming technology trends and give an unbiased, yet quantifiable opinion on technology and the team behind the company in question.

We offer the technical due diligence in the following areas:

### 4.1 Risk Management



RIoT International can minimise risk reviewing the following areas:

- vitality
- scalability
- maintainability
- continuity

The valuation of a company or concept is more than the technology itself; understanding all aspects of the company is vital - from the technical architecture, code management and review, development methodologies, testing procedures, feature/bug management, end-user product support through to how the team work together as a whole.

## 4.2 Open Source



RIoT International is familiar with a number of open source licenses:

- Apache 2.0
- BSD
- GNU General Public License (GPL)
- GNU Library (or Lessor) Public License (LGPL)
- MIT
- Mozilla Public License
- and many more

The use of open source has increased in popularity recently; however, each license comes with its own set of caveats that may have direct or even indirect effect on the value of technology. Understanding each license and identifying which are "free" to use for commercial purposes is vital when using open source.



# 5 Software Development



Do you need IoT embedded, mobile or server software development done?

RIoT International is capable of taking your software concepts and identifying the appropriate platforms, underlying technologies and development methodologies to ensure it is delivered on-time, within budget and has a maintainable future to allow to expand as requirements change.

We offer software development expertise in the following areas:

## 5.1 Programming Languages

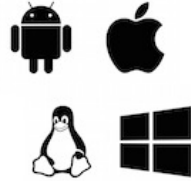


RIoT International can support any programming language that is requested.

Our team consists of hard-core programmers who are happy to work at any level of the software stack; ranging from poking bits directly to the hardware all the way through to interpretive scripting languages. We can identify the appropriate language for your needs and ensure that the most CPU and memory efficient solution is built to satisfy your requirements.

C/C++ is our favourite language as it is the most portable at a native level.

## 5.2 Mobile Development



RIoT International supports the following mobile platforms:

- iOS
- android
- Windows Phone
- Blackberry 10
- embedded Linux
- HTML5

Our team has been developing mobile applications for over fifteen years and has a great vision of future technological advances - with extensive experience across all major platforms (past and present) we can identify common idioms to minimise silo style development when working with multiple platforms.

## 5.3 Firmware Development



RIoT International can build custom firmware for your hardware projects.

Targeting micro-controllers can be a daunting task; especially due to limited processing and memory resources. Our team is capable of writing very efficient firmware code that matches the requirements set out and we guarantee the best possible solution using minimal resources to get the task done.

We have worked with many micro-controller variants and CPU architectures.

# 6 Hardware Prototyping



Do you have an IoT based concept that needs custom hardware built for it?

RIoT International is capable of taking your requirements and identifying the appropriate hardware components required to build a hardware prototype that can be used to demonstrate your concept in action. In conjunction with some software development; a full prototype can be developed to review feasibility and move the concept onto production phase.

We tinker with a number of IoT technologies; such as the following:

## 6.1 Arduino



Arduino is an open-source single-board micro-controller platform, intended to make building interactive objects or environments more accessible.

The hardware consists of an open-source board designed around a number of micro-controllers with various capacities of flash memory, RAM and EEPROM designed to execute simple sketches that can be written to interface with different GPIO interfaces and hardware accessories.

## 6.2 Raspberry Pi



The Raspberry Pi is an open source credit-card sized computer platform originally designed with the intention of promoting the teaching of basic computer science in schools that plugs into your TV and computer keyboard.

The device is based on the ARM based system on chip that includes at least a 700MHz ARM processor, in-built GPU with HDMI connectivity and at least 256Mb of RAM - a number of models exist for different purposes and utilise an embedded optimised version of Linux operating system.