

# Rui Cheng

**Phone:** (+61) 421 347 129

**Email:** [ktei2008@gmail.com](mailto:ktei2008@gmail.com)

**Address:** 6/8 Cottonwood Crescent Macquarie Park, Sydney 2113

## Objective

I love programming which always gives me fun and a sense of accomplishment. I enjoy the moment when my work is appreciated by end users because that shows my value of my professional skills. Most importantly, I think my background perfectly fits what your job requirement describes.

## Experience

**Ryarc Technology Limited** *Aug 2010 – Present (Full-time)*

Ryarc is a company which develops digital signage software. Our main product is CampaignManager (CM), which is a very competent in digital signage market. In fact, Intel has been very interested in it and has bought our codebase license to develop their market. Most of the time, our development is based on .NET platform. My main contribution to the product includes:

- Several key modules for CM client side with main technologies include **WPF, WCF, Windows Service, Entity Framework, ADO.NET**
- CM-related web applications such as [RyarcMobile](#) and [DEUS](#) (main technologies include **ASP.NET MVC, HTML, CSS, jQuery, KnockoutJS, CoffeeScript**)
- Daily bug fixing
- Build process design, scripting (main technologies include XML, InstallAware, MSBuild)

## RESTful Web API Experience

- I have designed and implemented a set of web API for one of our PHP product. We have a PHP website that is for our clients to maintain their real estate advertisers' campaigns and this website actually uses our CM Service as its data center. CM Service is based on WebForm structure, so I had to manually introduce ASP.NET MVC DLLs to CM Service solution for using WebApiController to implement these API.
- I have designed and implemented a set of web API for our RyarcMobile website, based on ASP.NET MVC. This website is built to let our customers use their mobile log in and control their player campaign playing. To achieve this, we use KnockoutJS to build front-end interface and use AJAX to call the web API exposed by our CM Service for data transmission.
- I have designed and implemented a set of web API for our RyarcDEUS website, based on ASP.NET MVC. Similar as RyarcMobile, this website interface is built using KnockoutJS and calls web API exposed by CM Service.
- I have designed and implemented a set of web API for <http://www.themakeupsocial.com>, which has iOS app client-side that uses these API. These API are implemented by PHP, based on Laravel framework. Also, for these API, our development team adopted TDD approach, which guarantees that all the API are working fine by running all tests within 2 minutes.

## More Experience

I'm also one of the main developers of <http://www.themakeupsocial.com>, which serves as a social beauty sharing network for women, and contains a suite of complex UI interactions done by **JavaScript**. We build this website using PHP (laravel, an excellent MVC framework) + MySQL for back-end and **Bootstrap 3 + jQuery + KnockoutJS** for front-end. We use **TDD** approach to build this website and currently it's being

maintained by 750+ tests, the running time of which is less than 2 minutes.

Besides, I'm also a main developer who built <http://tracksift.com> (I'm not the owner of this site). This website is written in PHP (laravel framework) and **KnockoutJS**. It allows users (mostly DJs) to upload their song tracks using Soundcloud API and discuss about their songs.

Additionally, one of my strengths is that **I have experience in both back-end and front-end**. Such experience makes me fully understand how to well integrate UI and remote service, thus bringing more efficiency while working with other team members.

### **My Online CV**

I built my online CV here: <http://morethannerds.herokuapp.com/#/cv> Please feel free to visit it. Note that this is a free cloud server so it might be slow when you open it the first time. I built this site with Ruby on Rails + AngularJS. GitHub repository link: <https://github.com/ktei/MoreThanNerds>

## **Education**

**University of New South Wales** (2008 – 2010)

Degree: Master of Information Technology

Academic Performance: Distinction

## **Skills**

Strongly typed languages: **C#, Java (Strong knowledge of OO programming)**

Weakly typed languages: **JavaScript, PHP**

Mobile development: **Android**

Desktop development: **WPF**

Web back-end development: **ASP.NET MVC, PHP (Laravel)**

Web front-end development: **HTML, jQuery, KnockoutJS, CSS, LESS**

Database: **MS SQL Server, MySQL, SQLite**

Unit Testing: **PHP Testing Framework, PHP Mockery (I can pick up any other unit testing framework very quickly)**

Version control: **TFS, Git**

## **References**

References available upon request