Andrew Gillard

# Personal Details

| *Postal address redacted from Web copy* | [https://andrewgillard.com/portfolio](https://andrewgillard.com/portfolio/) [https://github.com/aziraphale](https://github.com/aziraphale/)  cv@andrewgillard.com *Phone numbers redacted from Web copy* |
| --- | --- |
| DOB: 7th February 1987 | Full, clean, UK driving licence with own car |

# Work Experience

*Also check out my portfolio and github profile:* [*andrewgillard.com/portfolio*](https://www.andrewgillard.com/portfolio)*,* [*github.com/aziraphale*](https://github.com/aziraphale)

## National Centre for Research Methods – Web Developer – Feb-Oct 2014; 2013; 2012

I was brought in for several one-or-two-week periods over the course of two years to aid NCRM’s sole developer as larger pieces of work needed to be done. I then returned for a 7-month contract to coincide with the renewal of their funding and development and launch of a new website design and significant new “portal” section.

* Development of a PhoneGap/Apache Cordova app for Android and iOS devices
* Authored “portal” section’s authentication layer, using a third-party authentication provider and falling back to a standard local authentication system
* Instigated an improved development environment, including full use of git and strict separation of live and development servers; subsequently used this system to push the revamped site from the development server to the live server with minimal downtime
* Configured a new RHEL VM as a Web server on which to host an upgrade of their existing installation of EPrints, a Perl-powered Web application
* Provided support, and helped manage a group of 20+ student helpers, at the 2014 NCRM Research Methods Festival

## MAXX Design Ltd. – Web Developer – 2012-2014

* Backend and frontend development for dozens of client websites including an informational guide for the Breakthrough Breast Cancer charity which has since won four separate awards: one from the Association of Medical Research Charities, one from the British Medical Association and two from the Interactive Media Awards
* Supported, maintained and improved internal network; organised upgrade of office Internet connection; set up seamless, automatic failover of office Internet connection; supported other staff with PC/Mac problems
* Sat in on interviews of job candidates; conducted technical portion of interviews
* Handled support calls/emails from clients and, as appropriate, assisted them, made minor website changes, quoted for larger changes, or referred them to my manager
* Provided technical input to initial client meetings regarding new work
* Provided quotes on specifications for new work
* Successfully pushed for use of version control (git) throughout; subsequently set up git on all client sites and mentored other developers on use thereof
* Heavily liaised with sysadmin regarding hosting servers, hosting network, client domains, etc.
* Planned and oversaw migration from aging local Postfix mail server to Google Apps
* Designed & built new PCs for new hires

## Craig Brass Systems Ltd. – Lead Web Developer – 2007-2012

* Responsible for choice of tools & libraries used in projects
* Designed architecture of software projects, plus large, complex relational database schema
* Implemented majority of functionality of projects including extensive PHP framework
* Created a base graphical design (HTML/CSS) for a dedicated graphic designer to work from
* Managed small team of developers (inc. reviewing code for style, stability and security requirements)

# Certification

* Zend Certified Engineer (PHP 5) – Candidate ID [ZEND014075](http://www.zend.com/zce.php?c=ZEND014075&r=235816419) – June 2010

# Education

## University of Glamorgan October 2005 – June 2009

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| --- | --- | --- |
| ***Computer Studies*** | **BSc (Hons)** | First Class |

## Uckfield Community Technology College September 2003 – June 2005

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| --- | --- | --- |
| ***A-Level (June 2005)*** | **Computing (AQA)** | A |
|  | **Electronics (AQA)** | A |
|  | **Physics (Edexcel)** | D |
| ***AS-Level (June 2004)*** | **Mathematics (AQA)** | D |

# Technical Skills

## Web Development

Very proficient with:

* PHP (mostly PHP 5.3-5.5; PHP-FIG PSR-1, 2, 4; PDO, SPL, full OOP; both Web and shell/daemon use)
* MySQL (normalisation; transactions; relational constraints; views; stored procedures)
* HTML (XHTML 1.1, HTML 5; fully-compliant, accessible and semantic; all hand-written, no WYSIWYG editors used)
* HTML 5 (FileReader; offline Web apps; geolocation; new input types; data attributes; Web Storage)
* Mobile website development (for Android, iOS, etc.); Responsive Web Design; high-DPI imagery
* CSS (including CSS 3; Bootstrap; LESS; SCSS/Compass)
* JavaScript (with and without jQuery and jQuery UI; Ajax; JSON)
* Regular expressions (PCRE)
* Web security, password storage, etc. (full OWASP Top 10 coverage; strong focus on security)

Also experienced with:

* Smarty
* CodeIgniter; Zend Framework; Cordova/PhoneGap
* Apache (mod\_rewrite, other modules; general configuration)
* SOAP; XML
* APIs (Twitter, Flickr, YouTube, Facebook, Google Maps)
* Payment gateway integration (PayPal, Google Checkout, WorldPay)
* Adobe Photoshop

## Other Programming Experience

* Java (including Android device development)
* Visual Basic .NET and C# .NET
* C++ (with and without Qt)
* Bash scripts; NWScript

## Development Tools

* IDEs (JetBrains PhpStorm, NuSphere PhpED, Zend Studio, Eclipse, Visual Studio)
* Version control systems (Git, Subversion, Mercurial)
* Package management (Composer; Bower)

## System Administration

* Windows (7, XP; Server 2003, 2008)
* Linux (Ubuntu, Ubuntu Server; CentOS, RHEL)

# Hobbies

In my free time I can usually be found on a handful of IRC networks, playing various video games, reading books – especially Terry Pratchett’s Discworld series – or watching TV. During the summer months I spend a great deal of time in my garden tending to the plants and harvesting the fruit, which is something that I find both enjoyable and relaxing. The garden also provides a perfect opportunity for me to indulge one of my other interests: photography. Lately I have also been making improvements to the open source Quassel IRC client that I use on my Android phone and have had code merged into the upstream repository where it can benefit a wider audience. I also actively maintain an IRC “bot” written in PHP and have been developing a Web interface to the logs stored by the Quassel distributed IRC client.

# Work Reference

References for **National Centre for Research Methods (NCRM)**, **MAXX Design Ltd.** and **Craig Brass Systems Ltd.** are available on request.