

# Howard Yeend

Web Developer in Shrewsbury UK.

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## *~ At a glance ~*

- 10+ years commercial programming experience, including 7 years remote work.
- JavaScript / ES5 / NodeJS / JSON / Ajax / jQuery / JSLint
- HTML / CSS / PHP
- mySQL / CouchDB / redis / memcache / nginx / apache / bash
- Wrote a JSON REST API & NodeJS code for a website serving 5 million pageviews/month
- Firefox & Chrome addons, C# browser helper objects for MSIE
- My GPL PHP CAPTCHA script was used by Apple and Mozilla, among others
- My work on CAPTCHA security was cited by W3C

## *~ Personal Statement ~*

I am deeply interested in all aspects of computer technology. I express my creativity through technology and I enjoy creating innovative solutions to problems. I am passionate about doing it right. I build with the future and solving the general case in mind.

My interests include machine learning, user experience, and programming involving images.

## *~ Qualifications ~*

### **2008-2009: University of Oxford (*St Anne's College*)**

**Subject:** Computer Science MSc

**Result:** Pass, with distinction in dissertation

My dissertation focused on implementing Adaptive Web Sites using Machine Learning and Ajax.

I passed modules including OOP (Java), Information Retrieval, Computational Linguistics, Machine Learning, and Compilers.

### **2004-2007: University of Wales Lampeter**

**Subject:** Information Technology and Philosophical Studies BA (Joint honours)

**Result:** First Class Honours, awarded Lampeter Society Prize for IT

I undertook modules including SQL, Artificial Intelligence, Computer Modelling, Hypermedia and Web Design, Robotics, and Ethics. My final project, a 'university simulator' game, was written in VB.NET and MSSQL.

### **1999-2001: Northampton College**

City and Guilds "Computer Programming – Games & Quizzes" (distinction).

City and Guilds "Computer Programming – Business Applications" (pass).

### **1995-1998: Northamptonshire Grammar School**

GCSEs in Physics (B), English Lit. (B), English Lang. (B), German (B), French (B),  
Maths (C), Chemistry (C), Biology (C), Geography (C).

*~ Relevant Experience ~*

**Jan 2014 – present: Software Developer at Growing Interactive Ltd (growveg.com)**

In this role I work remotely as a front end JavaScript developer, supporting a market-leading garden planner web application.

**Feb 2010 – Dec 2013: Senior Web Developer at GG.COM Ltd (now gg.co.uk)**

I rejoined the GG.COM team as a remote worker in 2010 to help with the construction of a client's website. As well as completing the website on budget, I also brought an idea for a new product to GG, which the company sought to patent (GB1003528.5), and offered as a licensing deal to key players in the gaming industry.

Initially my role incorporated LAMP web development intermixed with blue-sky development of new ideas. In June 2011 I implemented a genetic algorithm in PHP to evaluate various betting strategies based on historical horse racing data.

In August 2011 we began to rewrite GG.COM from the ground up, utilising rackspace cloud hosting to reduce costs and improve flexibility. I have had key input in designing the new architecture using NodeJS, nginx, memcache, redis, and CouchDB in the appropriate places to implement a robust JSON based REST API. The entire NodeJS backend was written and designed by me with advisory input from the CTO. The system I designed has coped excellently with traffic in excess of 5 million pageviews per month.

In 2013 we successfully launched in Australia. In this role I supervised a junior PHP developer.

**Oct 2009 – Jan 2010: Web Developer at Web Office Systems Ltd**

This role involved integration of third party XML APIs into client sites and development and documentation of our own APIs for outside developers to hook in to. I was also responsible for paypal integration and live card processing via datacash and paypoint. I was able to streamline the checkout process such that instead of a separate codebase for each payment provider, one set of business logic handled the transaction regardless of which payment provider was used.

**2007 – 2008: Web Developer at GG.COM Ltd (now gg.co.uk)**

Primarily developing in PHP 5/mysql, this role was split 70/30 between maintaining existing systems and R&D for new business directions. I redeveloped a JavaScript bet calculator which was deemed worthy of spinning off to a standalone website in its own right. I wrote an Internet Explorer plugin for this calculator which allows people to use their sidebar to calculate bets while on other websites. My JS code has since been ported into objective C for a profitable iPhone app supported by iAds.

**2001 – 2005: Internet Programmer at Freetimers Ltd**

My role at Freetimers progressed rapidly from a junior technical role to being the primary designer and maintainer of the flagship 'admin area' product. At Freetimers, I was instrumental in the design and continued development of all technical products offered to clients. These products included a multi-lingual, multi-website content management system, a web-managed stock control system including e-commerce, and web-based bulk email software, as well as the multi-user admin shell with password authentication.

When I first started, Freetimers websites were produced from scratch on a per-client basis. My ideas and technical expertise allowed me to create standard, re-usable and upgradable modules that enabled Freetimers to massively reduce development time and continually improve the products offered to clients.

I also managed a small number of junior developers and brought their skill level forwards. Under my supervision, a web designer also became a html developer, and a html / PHP developer became a PHP / mysql developer.