

Michael Clark

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Computer skills

| | | | |
|-------------|------------------------------------|--------|-----------------------------------|
| Programming | C#, PHP, VB.NET, Java, GWT, C++ | Web | JavaScript, XHTML, XSLT, CSS, RSS |
| CMS | Drupal, Sitecore, Wordpress, phpBB | Server | SQL Server, MySQL, PIG, Hive |
| Project | TFS, Jira, Trac, Basecamp | VCS | SourceSafe, Mercurial, Git, SVN |

Employment

- Jun 2013 to present **Software Developer, *Spiral Software, Cambridge***, C#, VB.NET, SQL Server, JavaScript, C++, Unity IoT.
Delivered complex oil analysis software to Fortune 500 oil majors.
- Scrummaster for the biggest release of the year (16 continuous weeks)
 - Introduced sprint retrospectives and used velocity statistics to improve timelines
 - Implemented a data sync service, required before we rolled out our core product suite to the biggest oil major in the world
 - Applauded for taking ownership of the experimental redevelopment of our core intranet product, culminating in a successful demo at SUM2013
 - Praised in all 6-month reviews '[Michael] communicates very clearly... enthusiastic, inquisitive and capable of taking a step back and seeing the bigger picture'
 - Continuously learning through Pluralsight online courses and experimenting with professional tools including Resharper and Redgate Memory Profiler
- Oct 2012 to Mar 2013 **Application Developer, *Kickstart Digital, Cambridge***, AS3, C#, JavaScript, Facebook.
+ Summer 2010 Completed high-quality projects on time for top UK brands.
- Johnson&Johnson Gentle-O-Meter (interactive marketing), implemented agency designs and created an algorithm to calculate gentleness from drawings and quizzes, gathered 50000+ unique drawings
 - PhoneGap tablet surveying tool for drawing floorplans from laser sight measurements
 - Mini Countryman mobile microsite, using WURFL browser detection
 - Change4Life Summer Fun Activity App, a Facebook Flash sport picker for the NHS
- Jul 2011 to Sep 2012 **Frontend Developer, *Tuenti Technologies, Madrid***, PHP, OO JavaScript, Memcache, MVC, MySQL.
Tuenti is the most popular social network in Spain with 90% of the 18–25 demographic.
- Designed a client/server registration architecture, supporting the Tuenti Messenger project, and unifying client-side feedback
 - Refreshed Web Chat with an updated UI and refactored client-side, including a rich media parser, serving 200+ million messages per day
 - Event RSVP management for creators and attendees (revamped views/templates)
 - Recognised as a 'key contributor' to the side-wide refresh (based on YUI) with a VIP trip to the Madrid Open; developed the profile, registration, friends importer, settings
 - Finished with an intensive month-long Spanish course in the Pyrenees

- Sep 2007 **Web Developer**, *Premier Media Group*, London, C#, XSLT, XHTML, JavaScript, CSS, MSSQL.
 to Aug 2008 London-based Christian radio station with over 200K listeners per year.
 + Summer 2009
- Pivotal in multiple development projects using the Sitecore CMS, guiding data architecture and achieving rapid proficiency with XSLT, C# and MSSQL
 - Responsible for migrating core projects including Premier Christian Media portal, Christianity Magazine, Jobsearch Monitor
 - Lead development of Mind&Soul, a mental health portal/blog
 - Contracted in Summer 2009 to streamline subscriptions and add article tagging
 - Awarded *Team of the month, August 2008*

Education

- 2008 **University of Cambridge**, *Queens' College*, Computer Science, BA (Cantab).
 to 2011 Favourite topics were security, algorithms, optimising compilers, human-computer interaction and distributed systems. Consistent improvement over three years of study.
- Dissertation 'Social Backup – Data redundancy on trusted machines' documents a software system to securely chunk and transfer data to a decentralised peer group
 - Group project 'Critical Care for Third World', distributed Android medical health records for field care hospitals
 - High commitment to the extremely successful Queens' College Boat Club (15+ hours per week); team wins included Bedford Head (IM2), Spring Head-to-Head, University Fours, Winter Head, Autumn Head, Lent Bumps (blades, +6)
 - Performed guitar at Emmanuel June Event in 'Black Sheep'
- Sep 2005 **Sixth form**, *The Ashcombe School*.
 to Jun 2007 A-levels: Mathematics (A), Further Mathematics (A), Physics (A), General Studies (A)
 Advanced Extension Award: Mathematics (Distinction)
 UKMT Senior Maths Challenge: Gold Award, Best in School
 The Ashcombe Prize for Excellence in Mathematics 2007
- Sep 1999 **Secondary education**, *The Priory School*.
 to Jun 2005 10 A*/A GCSEs including English, Mathematics and Business Studies.

Notable projects

- 2007 **Owner**, *Strength Level Calculator*, strengthlevel.com, PHP, XHTML, CSS.
 to present Calculates the strength rating (1–5) of a one rep max attempt for common compound exercises, scaled on bodyweight. This two-day build funds my hosting.
- 2010 **Freelance**, *PT OnDemand*, ptondemand.com, PHP, XHTML, CSS, MySQL, Amazon CloudFront, PayPal.
 Personal training resource utilising CDN video delivery and PayPal payment. "Michael has basically resurrected our site. We had many problems with another developer. . . Michael came in and has finished it. . . The quality of the site to us is fantastic."
- 2010 **Web Manager**, *The Tab*, Cambridge Student Paper, PHP, XHTML, CSS, WordPress.
 Maintained what is now the most popular UK student newspaper. Modified the WordPress installation to support journalists with individual needs.
- 2005 **Lead Developer**, *Solar Empire*, solarempire.com, PHP, XHTML, CSS, Perl, MySQL, C, C++, RSS.
 to 2010 PHP browser-based strategy game, first created in 1999; became SourceForge administrator after significant contribution.
Please see mjac.co.uk/portfolio for more projects and screenshots.