Matthew MacLeod
Curriculum Vitae

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DATE OF BIRTH
3 October 1985

NATIONALITY
British

About me

I am a cross-platform, full-stack web developer with over seven years of commercial experience, and I build complex frameworks and web applications with Ruby on Rails. I use the latest best practices, tools and techniques, with a focus on clean code, maintainability and an excellent user experience for both developers and clients. I also have a comprehensive understanding of a wide range of other web technologies and strategies for integration with external systems.

Technical skills

Commercial experience **developing, deploying and supporting** large-scale commercial Ruby on Rails applications

Extensive knowledge of **application hosting** with Apache, Mongrel, nginx, Passenger, thin and unicorn

Git/SVN for source control; **Capistrano** for deployment; **Trac/Trello/Pivotal/ActiveCollab** for project management

Integration with **web services, AWS, Google APIs, MS-SQL/Oracle, REST**

Test- and behaviour-driven work using **rspec** and **test_unit**, some use of **Cucumber** to provide user-facing specs

Running and using CI servers and continuous builds using **Cruise Control** and **Hudson**

Front-end implementation with **(X) HTML, HTML5, CSS2/3, JavaScript** and **jQuery**, **JSON** and **AJAX, Sass** and **Haml**

MySQL and **PostgreSQL** admin, management and optimisation

Basic **PHP** development, including **CakePHP**, **Joomla** and **Drupal**

Android/**iOS** development, including **HTML5**-driven apps using **PhoneGap**

Devops, sysadmin and maintainance of **Linux** & **MacOS** servers

Full familiarity with Unix command-line tools and basic **shell scripting**

Linux kernel development and assembly tuning for embedded systems

Other skills

Project management, business administration, budget control, team leadership and staff management.
Professional experience with media and design packages: Adobe Photoshop, InDesign and Illustrator.
Comprehensive print design and production experience with newspapers, magazines, and advertising.

Portfolio

parkcircus.com
glasgowfilm.org
guitar.co.uk
scottishrefugeecouncil.org.uk
theskinny.co.uk

morleycollege.ac.uk
festmag.co.uk
tentracks.co.uk
goodmoves.org.uk/mobile
refugeecouncil.org.uk

williamtraceygroup.com
finalfling.com
intralink.biz
yourfuneraldirectors.co.uk
github.com/mattmacleod

Education

2002-2007

University of Edinburgh
MASTER OF ENGINEERING (MEng) ELECTRONICS AND COMPUTER SCIENCE, 2:1 HONOURS
An interdepartmental computer science degree covering the entire spectrum of computer systems, including hardware and processor design, algorithms, languages, data structures and user interfaces.

1997-2002

Bathgate Academy
5 Highers - Grade A English, Maths, Music, Chemistry, and Information Systems
8 Standard Grades - Grade 1 English, Maths, Computing, Accounting, Chemistry, German, Physics

Relevant work history

2009-NOW

Technical Director: Tictoc
Tictoc is a middleweight digital agency. We develop websites and web/mobile apps for a diverse client base, with over 300 live projects for charities, educational institutions and private businesses. My role is to build the technical platforms we use to deliver projects, with the goal of providing a developer-focused toolset allowing high-quality output with quick turnarounds. I developed a flexible in-house framework on top of Rails, exploiting the latest technologies including Sass, Haml, Coffeescript and PJAX, and coupled this with a custom automated AWS deployment system. I introduced TDD and agile practices to the studio, and handle the day-to-day management of the technical team.

2007-2009

Creative Director: Radge Media
Radge Media is the publisher of UK culture magazine *The Skinny*. As Creative Director, I oversaw design and layout for both the monthly magazine and frequent special publications. I later moved to head up the company's digital strategy, and developed a powerful bespoke Rails-based platform for simultaneous online and print magazine publishing, which includes complex data management tools and integration with multiple third-party data sources as well as Adobe InDesign. The framework powers several live magazine sites and has been open-sourced. I also developed a number of other in-house apps and management tools.

2007-2009

Managing Director: The Journal
I launched a local newspaper publisher in partnership with a small group of colleagues. I oversaw the strategy and leadership of the business, created the company's branding, and produced the biweekly print editions of the newspaper. I built custom workflow management software which was integrated with external content providers, using XML to provide a unified storage layer with transforms for online and print publishing.

2004-NOW

Creative Director: Fest magazine
Fest is an annual magazine which publishes reviews of shows at the Edinburgh Festival. I design and produce six print issues each year over three weeks and handle branding and development, and review shows. I also developed the magazine's website, which cross-references several third-party data feeds to provide real-time geolocated information about nearby events to mobile users using the HTML5 geolocation API.

Awards & Nominations

2009	Best design, *Guardian* Student Media Awards (*The Journal*)
2008	(Nomination) Best Online Presence, PPA Scottish Magazine Awards (*theskinny.co.uk*)
2008	(Nomination) Best website, *Guardian* Student Media Awards (*journal-online.co.uk*)
2008	Best New Media Award, *Herald* Scottish Student Press Awards (*journal-online.co.uk*)
2005	Agilent Prize for Electronics and Computer Science (University of Edinburgh)
2002	*Dux Litterarum*, awards in Info Systems, Maths, Chemistry, Music (Bathgate Academy)

* References available on request