

## MATTHEW FRANCIS MELTON BSc MSc LDIP

Highbury, London

Key Skills: C# 4.5+, .NET MVC 4/5, Owin, WCF, Objective-C 2.0, multi-technology integration strategies.

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**Position Sought** Senior C# Developer in the financial, legal or healthcare industry. No start-ups.

**Current Occupation** Senior Developer and full-stack/n-tier engineer.

**Highlights** Technologies lead and full stack developer on high traffic interactive magazines from household names. Approximately 30 titles available on the iTunes App Store today.

**Education** BSc (Hons) - University of Liverpool, MSc (Trent), Dip. Law (Nottingham Law School), ADRg mediator.

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**Oct 2014 – Present**      **Senior Developer, Centaur Media PLC, London**      **Intelligence**

**Products** The Lawyer Market Intelligence, Fashion Monitor, Celebrity Intelligence, Foresight News, Year Ahead, Centaur Corporate.

**May 2014 – Oct 2014**      **Senior Developer, Yecco Ltd., London**      **Healthcare**

**Duties** Refactor technical debt, develop new high value features, write BDDs, planning sprints and peer review code. Manage expectations.

**Skills** C# ASP.NET 4.5/5.0, WebAPI 2, SQL Server 2012, TDD (NUnit, Moq), BDD, AttributeRouting, Javascript and HTML/CSS.

- A social network frontend – Implementation of website designs using ASP.NET 4.5, WebAPI 2, AttributeRouting, HTML, SASS, Google chart API, and JQuery/modular JavaScript.
- A social network backend – An n-tier solution using a service orientated architecture, abstracted repositories and code-first EntityFramework. Thorough use of Unity for Dependency Injection, a builder pattern for service/view model conversion and BDD (cucumber/gherkin) for sprint scenario/task planning.

**May 2012 – May 2014**      **Developer, Oppolis Software Ltd., West Midlands**      **e-Publishing**

**Clients** EE, Harvey Nichols, Bang & Olufsen, Christies, Vue Cinemas, Morrisons, Peugeot, Specsavers and O2 including **Publicist** Blueprint, **John Brown Media**, **Haymarket** and **EMAP**.

**Duties** Prototype, design and deliver a new e-publishing projects. Refactor legacy iOS code and extend functionality. Champion modern design patterns and technologies.

**Skills** C# ASP.NET 4.5, WebAPI, TDD (QUnit, MSTest), TSQL (SQL Server 2008), Javascript/Typescript, Bootstrap, Knockout 2.x, WCF, multi-threaded services, Objective, and C++11.

- GoMobile – Interactive white-label iOS, Android and HTML5 magazine. Multi-threaded HTTP engine and Javascript/Objective-C bridge.
- Oppolis `Display Engine` – A unified C++11 business API for Windows, Android and iOS. A platform abstraction layer (POSIX-compatible and Windows) and XML to JSON parser. Binaries built for x86, ARM and MIPS. SWIG for C# and JNI bindings on ASP.NET and Android respectively.
- Oppolis `Display Engine Server` – .NET 4.5 MVC IIS instance server emitting live and rendered referenced JSON `magazine data` exposed via REST API controllers. Utilised Inversion of Control via Repository and Unit of Work abstractions with Autofac, custom legacy stored procedure

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wrapper and integration/end to end validation unit tests. Comprehensive use of DbContext, TSQL/MSSQL and CLR procedures.

- A real-time management console – .NET 4.5 MVC IIS instance providing real-time management to a long-running background WCF process. Utilising Razer/Bootstrap for presentation, KnockoutJs for model binding, JSON.net for serialisation, bespoke logging and SignalR real-time many-to-many communication.
- A background WCF service – Behind-the-scenes task scheduler for the collection, arrangement, zipping and delivery of resource hungry/long running data acquisition utilising a bi-directional Publish-Subscribe call-back model in WCF.
- A front-end product – Animated tabular magazine reader using Typescript, jQuery, jQuery Transit, T4 Templates and RaphaelJs. Unit tests with QUnit. S-curve path animation engine with custom easings and arc interpolation for constant time translation through corners.
- Build tooling – a stored procedure manager and one-click CodeDOM C# CLR procedure compiler /installer. iOS/OSX SQLite3 diagnostics library and reading tool.
- Push Notification Server – Multi-tenanted Windows Service in C# with a REST backend and OWIN+Typescript powered SignalR front-end. Supports: GCMS, APNS and ADM push notifications via PushSharp.

### **Sep 2010 – May 2012      Junior Developer, Games Workshop PLC, Nottingham      e-Publishing**

**Duties**    Prototype and implement a high value e-Pub reader and interactive hobbyist magazine. Mentor new developers.

**Skills**    Objective C 2.x, iOS 4+, OSX 10.6+, Core Data, RESTKit and multithreaded debugging.

- The Blacklibrary eReader – Prototype and implementation an eBook reader, custom store and e-pub parser for iOS 4+ (iPhone and iPad). Featuring an OpenGL 3D page curl animation, 'GridView' and offline image cache manager (disc and memory).
- White Dwarf e-Magazine – An iOS e-magazine featuring extensive use of Core Data, HTML and CSS. Tasks included a threaded download-extract-checksum engine (before Newsstand/GCD, iOS4+), website-to-bitmap tool and Bezier path editor (OSX).

### **Aug 2010 – Sep 2010      Paralegal, BeeLiving Ltd., Nottingham      Paralegal temp**

**Duties**    Evaluate and chase historical debtors. Organise debtor records. File for possession. Respond to litigation matters as they arose.

### **Oct 2009 – Aug 2010      Rentnote t/a Avetio Ltd., Nottingham      Start-up consultancy**

**Duties**    Appointed by Directors to oversee technology decisions, assess work under contract and deliver custom proof of concept tooling.

**Skills**    C++, Qt 4.2, MySQL, XML parsing, SIMS database transforms