

MATTHEW FLINT

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PORTFOLIO

Capital One UK <https://itunes.apple.com/gb/app/capital-one-uk/id481679012>
tldr-pages <https://itunes.apple.com/gb/app/tldr-pages/id1071725095> (open-source)
Nearly Departed <https://itunes.apple.com/gb/app/nearly-departed/id982783760>

GitHub <https://github.com/mflint>
Blog <https://daringsnowball.net/>

RECENT EMPLOYMENT

2014–Present: **Principal Associate Software Engineer**, Capital One, Nottingham

At Capital One UK I'm the **lead developer** for the iOS team, creating an iPhone app which is regularly used by more than a million people.

We **TDD** using Xcode, XCTest and XCUITest where possible, with over 90% coverage.

My primary contribution has been code - approximately a quarter of the application codebase - but I was also responsible for the initial **technical design** of the app, and take a leading role in **mentoring** the rest of the team. We have a strict “pair-program or code-review” policy for every commit. Additionally, I work closely with the management and UX teams to define and refine stories, and with the security teams to ensure we protect cardholder data.

While at Capital One I have given talks, both internally and to external attendees, on a variety of subjects including unit testing and mobile accessibility (while blindfolded). I have championed several internal engineering objectives, and chair a group of lead engineers whose aim is to pre-empt engineering problems before they bite.

2014: **Programmer**, Esendex, Nottingham

Esendex is a leader in SMS solutions for businesses, providing reliable and efficient service over a thoughtfully designed set of APIs.

At Esendex, I used **C#** and **Visual Studio** to make improvements to various products, including internal systems and customer-facing **REST** APIs. **Pair-programming** was expected, **TDD/BDD** mandatory, and software quality always won over delivery deadlines.

2006–2014: **Senior Software Engineer**, Thomson Reuters, Nottingham

Thomson Reuters is best known for its media division, but it also operates inter-bank trading systems. While here I worked on the company's various Foreign Exchange and Conversational Dealing products, rewriting older systems which were reaching end-of-life.

I took an active role in the **technical design** of our products, collaborated closely with team-members in Thailand, Canada and New York, and worked - often in my own time - to improve internal processes and tools to help us work more effectively.

At Thomson Reuters I refined my **Java** and **TDD** skills, working mainly on Swing clients for our customers who demanded trustworthy platforms with excellent reliability. These clients would typically communicate with centrally-administered trading and messaging servers.

- 2001–2006: **Software Engineer**, CODA, Harrogate
CODA (now called Unit4) creates accountancy software for large companies. I contributed to the core financials, analytical, and procurement products. These were written using server-side Java and were delivered to users via the web. At CODA I worked to steadily improve the amount of unit testing and reduce technical debt.
- 1998–2001: **Software Engineer**, Corporate Network Solutions, Harrogate
CNS created bespoke workflow systems. While at the company, I worked on solutions for a large pharmaceutical firm, a national provider of health services, and an offshore-government financial regulator.

The solutions were typically developed around Staffware (now Tibco) BPM, with Visual Basic, Java and SQL Server plumbing into customers' existing systems.

KEY SKILLS

- Great **O-O** skills, with many years of commercial **Objective C**, **Swift** and **Java** development; Sun Certified Java Programmer
- **Language-agnostic** approach to development, although mobile apps are my true love
- **Swift/Objective C** and **Xcode**; **Java** and **IntelliJ**
- Other languages (Go, Ruby, Javascript, etc) when required
- Enthusiastic approach to **learning** new technologies when appropriate
- Good working knowledge of core web technologies, including **REST** principles
- Experience with dependency and build tools **CocoaPods**, **Carthage**, and **Jenkins**
- Source control with **Git** in large development teams

AT WORK

- I approach work with a sense of **purpose** and maintain a **close attention to detail**
- I am **flexible** and will happily undertake new duties when required
- I put **customers first**, and work as if they are watching everything I do
- I practice **test driven development** and will **evangelise** about TDD at every opportunity
- I believe that development teams should be allowed to **self-police** and **self-organise**
- I **aspire** every day to be a better developer, and increase **software quality**
- I work closely with **stakeholders** whenever possible, and believe in **frequent demos** and **short iterations**
- I love **pair programming** to improve software quality and knowledge sharing
- I believe that a **strong collaborative culture** is essential for a team to create great products

OUTSIDE WORK

- Husband, and father to two young boys
- Independent Swift/Objective C developer with apps in the iOS AppStore
- Outdoor-lover and occasional contributor to OpenStreetMap