

# Adam Fallon

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## EDUCATION

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- **Queen's University Belfast** Belfast, Northern Ireland, UK  
*Bachelor of Engineering in Computer Science with Professional Experience*  
Sept. 2012 – June. 2016
- **St Louis Grammar School** Kilkeel, Northern Ireland, UK  
*Qualifications*  
Sept. 2005 – July. 2012
  - **11 GCSE's:** A, 8 B's, 2 C's
  - **3 A Levels:** A - ICT, B - Technology and Design, B - English Literature

## EXPERIENCE

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- **Rightmove** London, UK  
*Software Developer*  
July 2017 - Present
  - **Consumer iOS Application [Client/API]:**
    1. Created Feature toggle framework using the Codable protocol, UserDefaults, Method Swizzling and CoreData.
    2. Re-implemented Saved Search and Saved Properties syncing mechanism using PromiseKit, GCD, and Alamofire. Upon release, there was a reduction in database lock alerts by 60% in the first 30 days.
    3. Migrated from NSURLSession to Alamofire, fixing 17 network related bugs in our bug tracker in the process.
    4. Created FAQs page, Updated Local Valuation Agents page and implemented iPhone X support.
    5. Owned several pieces of work to ensure GDPR compliance [App and API side]
- **Kainos Software** Belfast and London, UK  
*Trainee Software Engineer, Associate Software Engineer*  
July 2015 - June 2017
  - **Enstar Global Data Hub:** Award-winning big data project created to migrate an insurance firm from using Microsoft Excel to Tableau.
    1. Created Hive Query Language mappings for ETL jobs.
    2. Submitted proposal for Apache Spark Decimal Logical data type.
  - **ONS Mapping Exemplar:** The Office of National Statistics put out a tender for a fast, web-based mapping solution to present their location-based data sets. I worked on a solution that got to the final stages of the tender process.
    1. Implemented search type ahead functionality for location data using a bloom filter, a critical component required by the tender.
    2. Setup Docker containers to contain database layer and application separately.
  - **Kainos Evolve:** Evolve is an electronic document management application that enables Doctors to digitize patient notes.
    1. Owned implementation of DICOM image viewer within the application, enabling users to upload and view X-rays.
    2. Reduced memory overhead of custom PDF viewer implemented within the application.
    3. Implemented ability to upload and playback voice-notes (API and Client)

## AWARDS

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- **Technical Triumph:** Kainos App Camp 2013
- **1st Place:** Liberty IT, Community Hack 2013
- **1st Place:** AllState Connected Car Hackathon 2014
- **Best Pitch:** UK Digital Catapult, AI + ML Hackathon 2016
- **Cloudera Silver Partner Award:** Kainos Enstar GlobalDataHub

## PROGRAMMING SKILLS

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- **Languages:** Objective-C, Swift, Java, Scala, Bash
- **Technologies:** iOS, Spring, Play, Apache Spark, Hadoop, ElasticSearch, Kibana, Cocoapods