SAM STONE

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PROFESSIONAL EXPERIENCE

GOLDMAN SACHS   SOFTWARE DEVELOPER
Spring 2013 + Summer 2014 (Intern), July 2015-Present   *London, UK*

Maintain and develop business crictical, client-facing web services which are among the largest profit generating applications in the firm, in a high intensity environment with a strong focus on testing.

Produced a Jython-based testing environment build system, which allowed developers to quickly create and serialize WebLogic domains with a powerful templating system, replacing the need to manually configure instances through a web-based GUI.

Created, as part a team of 6, an AngularJS webapp and Java 8 backend to which automates a common business workflow. The final product reduced the number of manhours to be invested in the process by twenty per week.

PROJECTS

CHITCHAT (formerly WHATSMAC)
go.samstonedev.com/chitchat   *500,000 Downloads*

A native Mac app wrapper for WhatsApp Web, which adds functionality and integrates the service with native OS X features such as Notification Center.

Featured on Product Hunt, OS X Daily and other popular sites, and reached the top of the /r/mac subreddit.

Makes use of Apple's WebKit framework to control the embedded page, inject javascript and bind javascript to native code.

TWEAKS FOR JAILBROKEN iOS
go.samstonedev.com/cydia   *200,000 Downloads (Culmulative)*

Since 2011, I have publicly released multiple tweaks for jailbroken iOS devices. Tweaks are dynamicly linked libraries which, when loaded into a process, use techniques such as method swizzling to alter functionality in the target at runtime.

Released projects range from aesthetic changes to adding TwitLonger integration into the official Twitter client, to adding gesture support to Safari.

Extending third party products without access to their source allowed me to learn useful debugging skills and gave me a strong understanding of the Objective-C runtime.

KWIK KONTROL for KODI
go.samstonedev.com/kwikkontrol   *8,000 Downloads*

An iOS application which allows users to control their Kodi media centre from their iPhone's Notification Center or their Apple Watch.

Makes use of popular networking framework RestKit in order to communicate with Kodi's JSON RPC API, Apple's Bonjour APIs to detect Kodi instances on the network, and persists configured device information using Core Data.

CHARGE
go.samstonedev.com/charge   *3,500 Downloads*

A simple but well designed Apple Watch app which allows users to see their iPhone's remaining battery life and network status from their Apple Watch.

EDUCATION

UNIVERSITY OF NOTTINGHAM
Computer Science MSci, 2011-2015

Acheived a First Class grade.

Studied a mostly Java-based curriculum, with an additional focus on functional programming in Haskell.

Elective projects were mainly iOS based.

Final Year Project Subject:
The Security Impacts of Jailbreaking iOS

Explored the security environment of the existing jailbreak ecosystem, including the production of a PoC iOS malware.

Demonstrated ways in which further software could improve jailbroken users security:

Developed a prototypal permission driven package manager for controlled installation of software for jailbroken devices.

Extended the existing standard runtime modification libraries to grant the user finer control over performed modifications.

SKILLS

Objective-C	Advanced
Python	Intermediate
Java	Intermediate
Swift	Intermediate
Javascript	Competent
C/C++	Competent
Haskell	Competent
HTML	Competent
SQL	Working Knowledge
CSS	Working Knowledge

ADDITIONAL INFO

Author and contributor to multiple open source projects available on GitHub and through CocoaPods.

Ranked 10th most popular Obj-C developer in UK on Github by GitHub Awards, and in the top 0.25 percentile globally.