

STRUMENTI LIBERI
PER
TESTE CHIUSE!



A.K.A.

THE APPLE
OPEN SOURCE
SCENE

WHO AM I

MATTEO BATTAGLIO
@M4DBAT

> CO-FOUNDER, #PRAGMA MARK IOS DEV COMMUNITY

> SOFTWARE ENGINEER

@CODERMINE
(BUT SOON **@BENDING_SPOONS**)

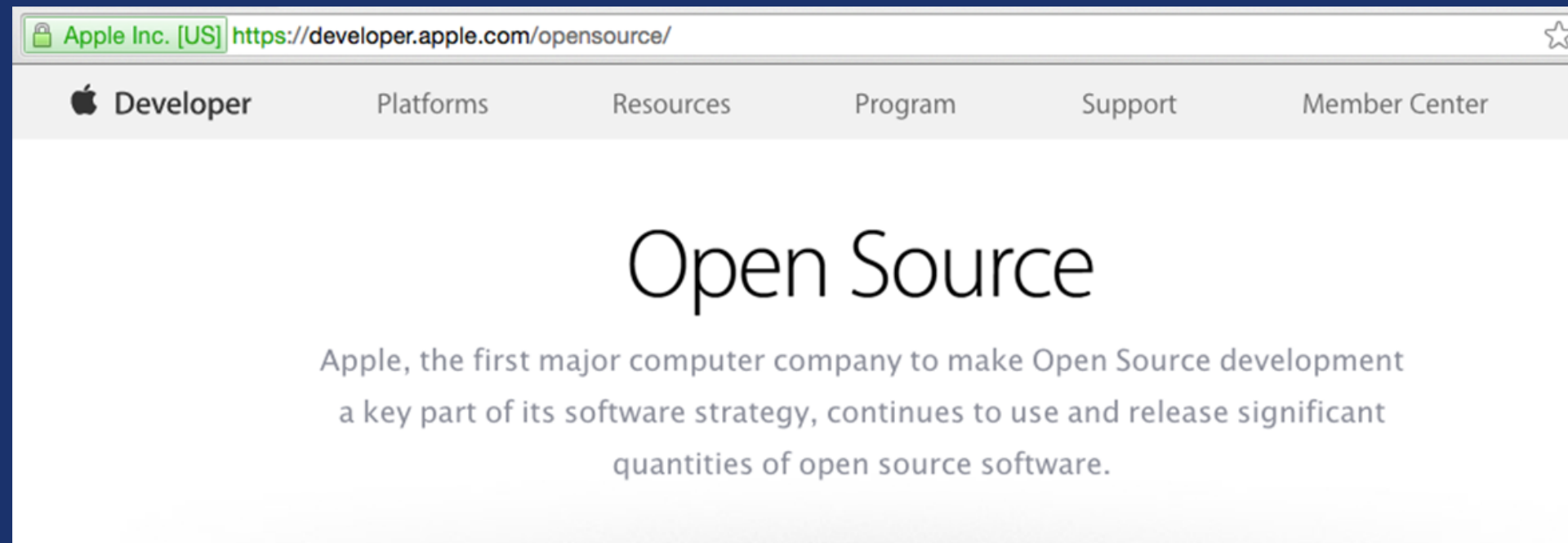


FIG. 1 – APPLE, AS PICTURED BY LINUX ADVOCATES



FIG. 2 – ME, RIGHT NOW, TO YOUR EYES

REALITY



MAC OS X

- **POSIX CERTIFIED:** ALL OF YOUR LOVED UNIX/GNU PROGRAMS PREINSTALLED (BASH, VIM, EMACS, GREP, GCC...)
- **DARWIN:** OPEN SOURCE CORE OF OS X AND IOS. BUILT AROUND XNU: A HYBRID KERNEL (MACH 3 + BSD)
 - **RUBY & PYTHON PREINSTALLED**

CHRIS LATTNER

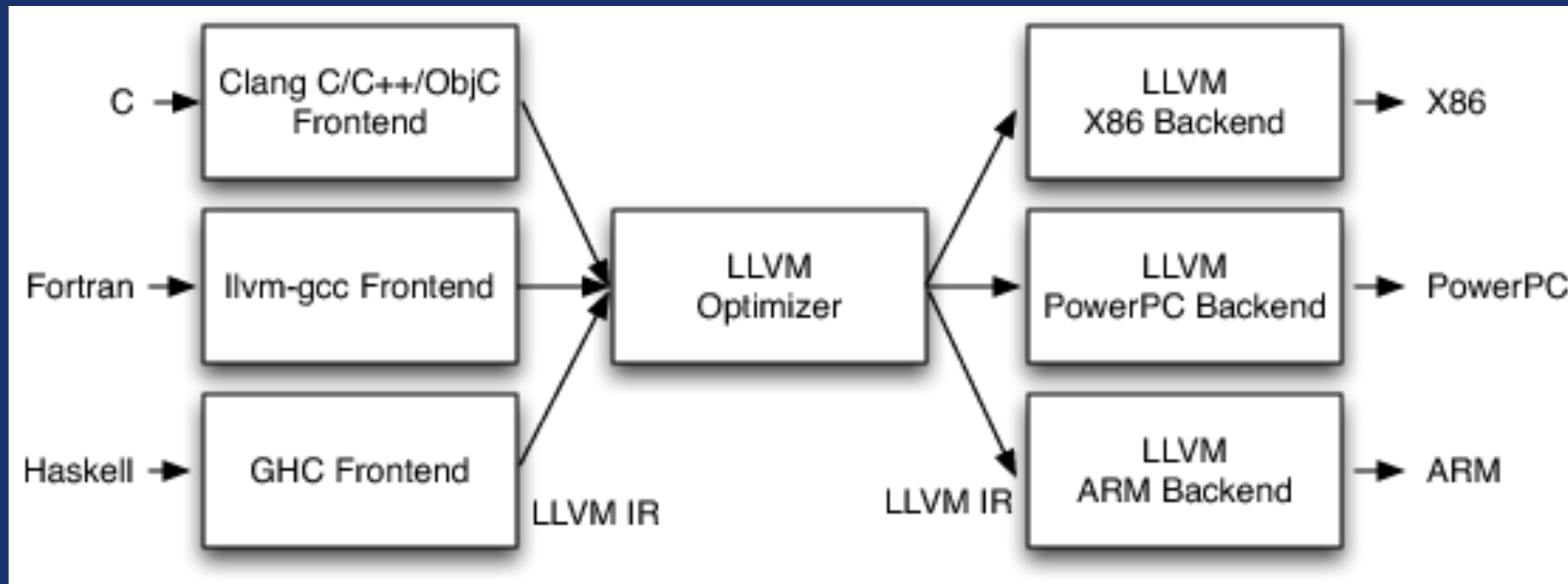


APPLE'S SENIOR DIRECTOR AND ARCHITECT, DEVELOPER TOOLS DEPARTMENT

CREATOR OF LLVM, CLANG AND SWIFT



LLVM



www.llvm.org

SWIFT

 Chris Lattner Retweeted



Swift Language @SwiftLang · Jun 8

In case you haven't heard...

Swift is going open source later this year!



800



533



 Chris Lattner Retweeted



Tommy Chen @TommyChen · Jun 8

Bam! Swift goes open source with compiler and standard libraries for iOS, OS X, and Linux. #WWDC



76



41



SWIFT FEATURES

- SUPER FAST (COMPILED)
- GREAT TYPE SYSTEM AND TYPE INFERENCE ENGINE
 - COMPLETELY INTEROPERABLE WITH (OBJECTIVE-)C
- PLAYGROUND AND REPL (FEELS LIKE A SCRIPTING LANGUAGE)

OTHER APPLE CONTRIBUTIONS

- > C BLOCKS AND GRAND CENTRAL DISPATCH
- > WEBKIT: WEB BROWSER ENGINE USED BY SAFARI, CHROME AND OTHERS
- > RESEARCHKIT: FRAMEWORK TO MAKE MEDICAL RESEARCH EASIER

GREAT OSS PROJECTS FOR DEVELOPERS

BY THE COMMUNITY

- HOME BREW: PACKAGE MANAGER FOR OS X
- COCOAPODS: DEPENDENCY MANAGER FOR COCOA PROJECTS
- FASTLANE: COLLECTION OF AUTOMATED APP DEPLOYMENT TOOLS

BY GITHUB

- ATOM: 'A HACKABLE TEXT EDITOR FOR THE 21ST CENTURY'

MAKE YOUR OWN!

IT'S FUN AND REWARDING



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Joined on 7 Jul 2010

15 Followers 417 Starred 26 Following

Organizations

#, objc, and others

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Popular repositories

SwiftMath A math framework for Swift. Includes: 2D ...	67 ★
MBTNetworking A simple networking library for iOS based ...	15 ★
Swift-fun-playgrounds A few playgrounds to showcase Swift peculiar ...	4 ★
3DGridViewController 3DGridViewController is a custom container vi...	2 ★
Surge Swift + Accelerate	2 ★

Repositories contributed to

codermine/SwiftProjectTemplate Sample Xcode project meant to be used as ref...	1 ★
robrix/Set An implementation of Multiset and PredicateS...	117 ★
CocoaPods/Specs The CocoaPods Master Repo	2,642 ★
AlessandraSozzi/D3PathTransit... Combination of "point-along-path interpolation...	1 ★
matt/Surge Swift + Accelerate	2,066 ★

Contributions

Summary of pull requests, issues opened, and commits. [Learn how we count contributions.](#)

Less More

A silhouette of a man in a suit, bowing forward and holding a hat with both hands. The image is set against a solid blue background.

THANK YOU

SLIDES AVAILABLE AT

[GITHUB.COM/MADBAT/THE-APPLE-OPEN-SOURCE-SCENE-LINUX-DAY-2015](https://github.com/madbat/the-apple-open-source-scene-linux-day-2015)