

CocoaHeads Aachen
Tool Talk 2016-02-25

Frameworks

- Dependency Injection
 - Objection <http://objection-framework.org>
 - Obj-C only!
 - Swinject <https://github.com/Swinject/Swinject>
 - Typhoon <http://typhoonframework.org>
- Networking
 - AFNetworking <https://github.com/AFNetworking>
 - Alamofire <https://github.com/Alamofire/Foundation>
- Architecture
 - ReactiveCocoa <http://reactivecocoa.io>
 - VIPER <https://www.objc.io/issues/13-architecture/viper/View,Interactor,Presenter,Entity,andRoutin>

API

- swagger.io
 - <http://swagger.io>
 - Swagger UI
 - Swagger Editor
- OpenAPI <https://github.com/OAI/OpenAPI-Specification>

Cross Platform

- J2ObjC <https://github.com/google/j2objc>
Java to iOS Objective-C translation tool and runtime
- Xamarin <http://xamarin.com>
Mobile App Development & App Creation Software
- RoboVM <https://robovm.com>
Cross platform mobile app development in Java | Create truly native iOS apps in Java
- Ionic <http://ionicframework.com>
Advanced HTML5 Hybrid Mobile App Framework
- (Kotlin) <https://kotlinlang.org>
Statically typed programming language for the JVM, Android and the browser similar to Swift
- JetBrains
- React Native <https://facebook.github.io/react-native/>
A framework for building native apps using React
- Djinni <https://github.com/dropbox/djinni>
A tool for generating cross-language type declarations and interface bindings
- Meteor <https://www.meteor.com>

Backend as a Service

- REST-APIs
 - self-hosted
- Strongloop <https://strongloop.com>
Develop APIs in Node.js, DevOps and Support
- Sails.js <http://sailsjs.org>
Realtime MVC Framework for Node.js
- Express <http://expressjs.com>
Node.js web application framework
- Mocha <http://mochajs.org>
JavaScript test framework
- should.js <https://github.com/tj/should.js>
BDD style assertions for node.js -- test framework agnostic

Git

- gitignore <https://github.com/github/gitignore>
A collection of useful .gitignore templates
- Workflow
 - <https://www.atlassian.com/git/tutorials/comparing-workflows>
 - <https://danielkummer.github.io/git-flow-cheatsheet/>
 - <http://nvie.com/posts/a-successful-git-branching-model/>

Beta Distribution

- Test Flight <https://developer.apple.com/ios/beta-distribution/>
integrated in iTunes Connect
- Hockey App <http://hockeyapp.net/features/>

Tutorials

- objc.io <https://www.objc.io>
- NSHipster <http://nshipster.com>
- KrakenDev <http://krakendev.io>
- Ray Wenderlich <http://www.raywenderlich.com>
- iOS Dev Weekly <http://iosdevweekly.com>
- Cocoa Is My Girlfriend <http://www.cimgf.com>
- Natasha The Robot <https://www.natashatherobot.com>

Database / Models

- Document-based
 - Couchbase Mobile <http://www.couchbase.com/nosql-databases/couchbase-mobile>
The NoSQL database solution for mobile
 - Couchbase Lite
 - Couchbase Sync Gateway
 - Couchbase Server
- Model Frameworks
 - FMDB <https://github.com/ccgus/fmdb>
A Cocoa / Objective-C wrapper around SQLite
 - Mantle <https://github.com/Mantle/Mantle>
Model framework for Cocoa and Cocoa Touch
 - Active Record Pattern / ORM [Object Relation Mapper style](#)
- MongoDB
- Realm <https://realm.io>

Localization

- Linguan <http://linguanapp.com>

Quality Management / KPI

- Key Performance Indicators [for measuring source code quality](#)
- CPD
 - Copy-Paste-Detection
 - PMD <http://pmd.sourceforge.net/pmd-4.3.0/cpd.html>
- Lines of Code
 - in total
 - per file
 - see Single Responsibility Pattern
- TODO / FIXME-Finder

Documentation

- Doxygen <http://www.stack.nl/~dimitri/doxygen/>
- AppleDoc [only Obj-C](#)
- HeaderDoc [Apple default](#)
[also Swift](#)
- Dash <https://kapeli.com/dash>
API Documentation Browser, Snippet Manager
- Markdown <https://daringfireball.net/projects/markdown/>

Xcode Plugins

- Alcatraz [package manager](#)
- VVDocumenter <https://github.com/onevc/vvdocumenter-xcode>
Xcode plug-in which helps you write documentation comment easier, for both Objective-C and Swift.

System Tools

- dot repositories
- Homebrew <http://brew.sh>
The missing package manager for OS X
- Homebrew Cask <http://caskroom.io>
Install OS X apps from the Terminal

Dependency Management

- CocoaPods
- Carthage <https://github.com/Carthage>
+ does not create nagging workspace file
precompiled frameworks