Sid Zhang

Melbourne

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Summary

10 years iOS & macOS developer.
I have been developing iOS Apps since 2010, and I love making Apps.
My most recent job is macOS developer at QSR International (Melbourne).

Experience

Senior Software Engineer (Mac)
QSR International

Jan 2020 - Present (1 year 5 months +)
Perform research and implementation of future Mac OS solution within the company.
Be responsible for implementation of middleware (like background daemons) as well as frontend (native mac OS UI) components and their architecture.
Performance analysis and tuning experience including memory usage, CPU utilization, leak checking.
Create and maintain unit and integration tests related to it's work area.
Collaborate with QA teams and other departments within organization to accomplish setup tasks and goals.

macOS Developer
Evernote (China)

Sep 2018 - Jan 2020 (1 year 5 months)
Integrate Swift to exist Objective-C project.
Perform research and implementation of future Mac OS solution within the company.
Be responsible for implementation of middleware (like background daemons) as well as frontend (native mac OS UI) components and their architecture.
Performance analysis and tuning experience including memory usage, CPU utilization, leak checking.
Create and maintain unit and integration tests related to it's work area.
Collaborate with QA teams and other departments within organization to accomplish setup tasks and goals.

iOS Developer
ChinaSo

May 2013 - Sep 2018 (5 years 5 months)
ChinaSo is a state-owned search and news portal site run by Xinhua news agency.
Collaborating with team members to prototype, build, and test high-quality apps.
Identifying shortcomings in current technology/architecture and recommend solutions.
Providing constructive input into architectural decisions for new features.
Providing technical guidance to other developers.

Staying up to date with iOS development technologies, and identify and promote opportunities to make use of these technologies within the mobile team.

iOS Developer
Tripadvisor China
Nov 2011 - May 2013 (1 year 7 months)
TripAdvisor was China's second-largest online travel search engine before it was fully acquired in 2015 by Meituan which is China's top group-buying platform.

It was my first job and I was the first iOS Engineer in this company. The app was dedicated to providing convenient search of train/plane tickets and hotel information for travellers in China.

Education

Yantai University
Bachelor's degree , Computer Science and Technology
2008 - 2012

Skills

iOS Development • macOS Development • Xcode • Scrum • Swift • Objective-C • Agile Project Management • Jenkins • Mobile Application Development

iOS 9 Years	I have been developing iOS Apps since 2010. I have developed different types of Apps in different companies but there is no essential difference. Many Apps can no longer be downloaded for many reasons, but the development experience is retained.
macOS 3 year	My last two job are both macOS developer. MacOS Apps development is very similar to iOS Apps development. The experience of macOS development can make me better understand the Apple platform.
Swift 6 years	I have been using Swift in my project since the beginning of swift come out. The biggest trouble is that you have to keep learning, Swift has evolved quickly and is constantly changing.
Hardware (I love it)	I like to develop on multiple platforms, especially to get them working together. Here are some funny things I did. Raspberry Pi / iPhone, Control cam with iPhone (2014) Demo: https://youtu.be/jO9UvEWKTSI Arduino / Mac, Play Wachat game (2018) Github: https://github.com/zhangxigithub/Wechat_Jump Demo: https://youtu.be/y332n1p0jYY Arduino / Mac Laser engrave (2018) Github: https://github.com/zhangxigithub/Engrave Demo: https://youtu.be/QS3dhQe4ah0 Evernote Hackathon / Arduino / Mac, Control Evernote create note (2019) Demo: https://youtu.be/oQejBYK90-c Fire truck, Toy for my son (2017) Demo: https://youtu.be/4XLzgcFuizI
Agile	All the companies I have worked with use Agile / Jira / Scrum.
CI	Jenkins
UI	SwiftUI / Storyboard / Auto Layout Keep UI and business logic code separate and minimise coupling.
Networking	HTTP / Bluetooth / Bonjour / Socket Use Codable / SwiftyJSON parse JSON Bluetooth: https://apps.apple.com/au/app/heart-monitor/id1214803994?mt=12 Bonjour: https://github.com/zhangxigithub/Bonjour

QSR 1/2020 - 5/2021   Senior Software Engineer (Mac)
Australian Company   https://www.qsrinternational.com
Mac App / Swift / Objective-C
2 months contract. The company's development team is in Vietnam and needs developers to implement some key functions.

Project:
• NVivo:
     - Update UI of welcome screen.
     - Implement new seamless activation flow

Evernote 2018 - 2019   Senior Software Engineer (Mac)
Mac App / Swift / CoreData / Thrift / Jenkins
My responsibility is to develop some new features.

Project:
• Evernote:
     - iOS and macOS Apps use the same data module
     - Use Git submodule to organise 3rd party libraries
     - Add WeChat Login use WebView.
     - Use WKScriptMessageHandler to call Javascript function
     - Add sticky note function
     - Implement to-dos

ChinaSo 2014 - 2018   iOS Developer
Swift / Carthage / Cocoapods / WKWebView /
I worked for this company for 5 years and participated in all projects.
The main project is a news App, which use the RESTful API to return data from the CMS, and displays it with WebView.

Projects:
• ChinaSo News:
     - I design and develop the data model layer (SQLite / FMDB)
     - Use WKWebView / UIWebView to display news
     - Cache news content with SQLite
     - Store user login info in Keychain
     - Use Cocoapods to organise 3rd party libraries
• Beautiful China:
     - Show video news
     - Show live news yes (RTMP with 3rd party library)
     - Use Carthage to organise 3rd party libraries
• Youth Search:
     - iPad news app for kids.
     - User CoreData as model layer

TripAdvisor 2011 - 2014   iOS Developer
Objective-C / ARC / SQLite(FMDB)
This is my first company but it no longer exists.
I interned here before graduating and then joined this company after graduation. I am the
first iOS developer here.

Projects:
• Train Ticket:
        - Design and develop entire App from zero
        - ASIHttpRequest
        - RESTful API
• Flight Ticket:
        - RESTful API
        - Use same AD module with Train Ticket (sub project)
• Kuxun Hotel:
        - Show hotel positions use MapKit
        - Custom Map overlay

Personal Apps   I also develop some Apps for myself, and I like to use applications to solve problems. For
example, When I need to get a driver's license, but Vicroads's learner practice webpage is
too difficult to use, so I use a spider to grab the data of Vicroads and made an iOS app.
Learner permit test: https://itunes.apple.com/us/app/learnerpermittest-vicroads/
id1394422855?ls=1&mt=8
All my personal Apps: https://apps.apple.com/au/developer/zhang-xi/id408188278