

Dexter Jungsub Kim

Senior Software Engineer

Los Angeles, CA, United States | [LinkedIn](#)

Experienced and fully skilled iOS Engineer with a demonstrated history of working in a variety of industries.

EXPERIENCE

Senior Engineer, Software (App) Engineering

ResMed

Apr 2024 — Present

San Diego, CA

Principal Software Engineer

GenTM

Jul 2023 — Mar 2024

California, United States

- Developing native iOS/macOS/Android Norton Secure VPN App
- Re-architecting and developing the VPN Core SDK for iOS & macOS with Dependency Injection and Swift Concurrency
- Enhancing and polishing UI layout and UX flow following Apple's HIG
- Debugging and monitoring network traffic with Wireshark
- Documenting software architectures and specification of feature projects in Atlassian Confluence
- Managing the CI/CD build process with Fastlane, Jenkins, TeamCity, and Bamboo
- Being in charge of development, code review, design review, analytics monitoring, and test coverage

Senior Software Engineer

GenTM

Apr 2019 — Jul 2023

Culver City, California, United States

iOS Architect / Principle iOS Developer

Rogers Communications

Nov 2017 — Apr 2019

Toronto, Ontario, Canada

- Rogers: MyRogers app
- Fido: MyAccount app
- Designed, developed, and maintained In-house iOS frameworks focusing on modularization
- Created a stacking UI layout with UIKit when StackView didn't exist
- Interacted with external architecture teams and represented a mobile solution for iOS app architecture
- Worked on technical designs, identified issues, and delivered compelling mobile solutions
- Ted Rogers Award – Customer 1st Award

Senior Software Engineer

ecobee

Jan 2015 — Nov 2017

Toronto, Ontario, Canada

- Designed ecobee iOS application architecture from scratch based on Maintainability, Scalability, and Testability
- Maintained and enhanced the thermostat installation guide flow in the app
- Developed thermostat device connection flow through WiFi / HomeKit with a licensed MFi device
- Implemented iOS Today Widget, Watch app
- ecobee Award – Contribution to the shipping of ecobee3 lite

Senior iOS Developer

Fixmo (Bought by Good Technology)

Fixmo SafeZone for iOS

Jul 2013 — Jan 2015

Toronto, Canada Area

(<https://itunes.apple.com/ca/app/fixmo-safezone/id553664448?mt=8>)

- ActiveSync
- Calendar app
- iOS

Fixmo SafeZone (at Fixmo)

Good SafeZone for EMM

: mostly build management

Good Secure Camera

: fixed bugs and implemented additional features

Good Dynamic MDM Device Provisioning

: Created a Provisioning app with GD SDK based on Apple OTA(Over-The-Air) profile delivery

- Android

Good Agent (<https://play.google.com/store/apps/details?id=com.good.android.gdagent&hl=en>)

: Samsung Knox Attestation, White/Black List, Restrictions/Configurations(Password, Knox, VPN, etc.)

iOS Developer

eSCRIBE Software Ltd

Oct 2011 — Jul 2013

Markham, Ontario, Canada

eSCRIBE for iPad (<https://itunes.apple.com/us/app/escribe-pro/id553518674?mt=8>)

- eSCRIBE Paperless Meetings For The iPad
- : <http://youtu.be/R7yJ0mLsObY>
- Designed software architecture and database
- Implemented encryption/decryption of the license code
- Developed communication module between Sharepoint 2012 and iPad

- Created Multi-download module
 - Applied iAnnotate Library (third-party module)
 - Implemented client and server side code for Push Notification
 - Implemented Photo transfer with Camera
 - Designed Database with CoreData, SQLite
 - Designed overall UI
- eSCIBE Sharepoint 2012
- eSCRIBEPush notification module for iOS
 - Implemented polling update list(Ajax)
 - Developed email notification

iOS Developer

Jan 2011 — Jan 2011

iOPW

Toronto, Canada Area

iPhone Mobile Web Application

- RSS News feed app for business clients of iOPW
 - Designed software architecture
 - Implemented communication with feed server
 - Developed UI layout
- (Objective-C, PhoneGap, jQuery mobile, CSS3, HTML5)

Windows Embedded Programmer

Jan 2006 — Jan 2008

Korea Medical Image Technology

Seoul, South Korea

- Designed scenario and creating an algorithm to convert MPEG2 to DICOM format
- Developed interface module for Capture Board
- Controlled the database which is set up with MS Access(Gateway) and Oracle(Server)
- Handled DirectShow for captured video from the endoscope equipment

Mobile Firmware Programmer

Jan 2005 — Dec 2006

Teleworks

Seoul, South Korea

GSM Cellular OS Control

- Controlled OS Layer part with H/W
- Verified circuit diagram
- Developed peripheral tools (Download, RF calibration, IMEI Writer tools)

Mobile UI Application Programmer

Jan 2003 — Jan 2005

AnyBil

Seoul, South Korea

- WAP Page editor UI design
- Designed implemented MMS Photo capture application

EDUCATION

Udemy

Jun 2023 — Jun 2023

Certificate in SwiftUI

Learn how to build a full-scale mobile application with SwiftUI using the MVVM Architecture

Udacity

Jan 2019 — Jan 2020

Nanodegree in AI Programming with Python

- Python Programming
 - ML Algorithms
 - Neural Networks
 - ImageClassifier Project
- (Train&Predict with PyTorch)

Centennial College

Jan 2010 — Jan 2011

Ontario College Diploma in Software Engineering Technician

BIT Computer Academy

Mar 2002 — Aug 2003

Certificate in Expert Programming Course

- This project involved motion tracking of the arm by extracting image frames from a PC camera.
- Used OpenCV library to get the video frames from the PC Cam
- Detected the edge of the arm with Sobel Mask
- Got the learning data by linear image processing

Sun Moon University

Jan 1996 — Jan 2004

BS in Computer Information

PROJECTS

iOS Walmart Seller Notification App

- Designed and developing for the Walmart Seller Notification iOS App with SwiftUI, Swift Concurrency, and Combine
- Implemented the custom Push Notification sound setting
- Developed Authorization logic such as FaceID, renewing the token
- Developing the order list with search and filter functionality
- Created REST API service on the backend side for Walmart Marketplace APIs
- Set up and implemented the push notification flow (Walmart -> Server -> APNs -> iOS)
- Managed CI/CD(Xcode Cloud) to make a TestFlight build
 - Frontend Skills: iOS Architecture · SwiftUI · Design Patterns (MVVM, DI, POP) · Combine · Biometrics · XCode Cloud
 - Backend Skills: REST API · Python · Database (MySQL) · Authorization (OAuth 2.0)

Dexter's Personal GitHub

CERTIFICATIONS

Prompt Engineering: How to Talk to the AIs, LinkedIn	Oct 2024
AI Programming with Python Nanodegree, Udacity	Mar 2020
MCTS - Sharepoint 2012 Configuration, Microsoft	Mar 2012

SKILLS

iOS Architecture · Swift · Swift Concurrency · SwiftUI · Design Patterns (MVC, MVVM, POP, DI) · Combine · Xcode Cloud · XCTest · Python · Database (MySQL) · REST APIs · Design Patterns (MVVM, POP) · Realm Database · CocoaPods · Design Patterns (MVC) · AVFoundation · Database (SQLite) · HomeKit · WatchOS · Design Patterns (MVVM, POP, DI) · Modularization · Analytics (Firebase, Adobe) · Dependency Tools (Carthage) · JWT · Kotlin · CI/CD (Fastlane, Jenkins, Xcode Server) · CI/CD (Fastlane, Jenkins, Bamboo, TeamCity) · Analytics (Firebase, Databricks) · Dependency Tools (SPM, Carthage) · Design Patterns (MVVM, DI) · VPN (IPSec, CAs, IKEv2, Encryption Algorithm) · Swift Package Manager (SPM) · Model-view-viewmodel (MVVM) · Virtual Private Network (VPN) · Sobel Operator · Linear Image Processing · Microsoft Foundation Class (MFC) · OpenCV · Sovel Mask · Linear Algorithm · Cryptography · Firebase · Continuous Integration and Continuous Delivery (CI/CD) · Team Leadership · iOS · Objective-C · Xcode · MVC Architecture · iOS Development · HTML 5