Thomas (Alex) Lynch

Expert iOS Developer
alex@iamapps.net
(770) 378-6484
https://www.linkedin.com/in/thomas-alex-lynch-b5121221

Summary:

Alex is an expert iOS Developer with over 11 years of experience in iOS and 20 years developing applications. He is a thought leader, a creative problem solver and has a penchant for deriving correctness from complex problem spaces like concurrency. He is experienced in private business ownership and software project management.

Technical Skills:

Languages: expert in Swift and Objective-C, proficient in Ruby and Linux
Development Tools: Xcode, Git, SourceTree, Jira
Technologies: CoreData, HoneyBee, PhotoKit, CoreLocation, REST, AutoLayout

Experience:

Senior iOS Developer
tripFiles, LLC
June 2014 to Present
Atlanta, GA : Remote
Developed, deployed, and maintained iOS application. Worked closely with backend team to design efficient, reliable support systems for iOS, and Android applications.
Swift 4, Objective-C, iOS 12, CoreData, SiriKit, PhotosKit to automatically detect user's trips from photo library, CoreLocation, Google Places web integration, RESTful API integration, HoneyBee for advanced parallel computing, AutoLayout Jira, Zeplin, Git, Xcode.
http://iamapps.net/blog/tripfiles

Project Owner
HoneyBee
January 2017 to Present
Atlanta, GA
Invented and implemented state-of-the-art futures/promises library for Swift. HoneyBee makes parallel and asynchronous programming easy, safe, and expressive, allowing the developer to focus on business logic. HoneyBee ensures the correctness, timeliness and maintainability of parallel/async code.
Swift 4, Grand Central Dispatch (GCD), Async and Parallel Computing
http://honeybee.link/current/docs/index.html

Project Owner
VFL Literal
January 2018 to Present
Atlanta, GA
Invented and implemented compile-time-checked Visual Format Language expressions for Apple's iOS and macOS implementations of AutoLayout. Compile-time-checking ensures correctness while building an app, eliminating runtime crashes due to typos in string-based VFL expressions.
Swift 4, AutoLayout
http://iamapps.net/VFLLiteral/current/docs/index.html

Senior iOS Developer
Found Money, LLC
July 2013 to August 2014
Atlanta, GA : Remote
Developed deployed and maintained iOS application. Worked closely with backend team to design efficient, reliable support systems for iOS. Implemented bleeding-edge custom UI for iOS 7. Invented and implemented custom geofencing solution to continuously identify near-by partner brick-and-mortar stores and notify the user of savings opportunities.
Objective-C, iOS 7, transparency-focused UI, nearly-stateless, data-driven RESTful app design, CoreLocation, AutoLayout, Trello, Git, Xcode.

Senior iOS Developer
Sing With The Best, LLC
January 2013 to June 2015
Atlanta, GA : Remote
Developed deployed and maintained iOS application. Worked closely with UI/UX designer to develop custom 3D histogram of voice analysis. Implemented a handful of voice analysis tools to provide realtime voice training feedback to user.
Objective-C, iOS 8, CoreAudio, OpenGL for custom 3D histogram, AutoLayout, Git, Xcode.
http://iamapps.net/blog/sing-with-the-best

Senior iOS Developer
Growing Local Learning (General Mills)
June 2011 to January 2013
Atlanta, GA : Remote
Developed deployed and maintained iOS application for Box Tops For Education program of General Mills. Provided pixel-perfect UI design implementation for very demanding client.
Objective-C, iOS 4, nearly-stateless, data-driven RESTful app design, pixel-perfect UI, Git, Xcode.

Senior iOS Developer
Talkler Labs, LLC
January 2011 to May 2014
Atlanta, GA : Remote
Developed deployed and maintained iOS application. Worked closely with UI/UX designer to implement strategic vision for hands-free iOS app. Worked with CTO To design cost-effective supporting infrastructure including AWS, marketing integrations, and custom resources servers.
Objective-C, iOS 9, CoreAudio, CoreData, third-party Text-to-Speech, Voice Command and Voice Trigger integration, custom DSL implemented in Ruby to express the voice UI choreography, custom FSM to navigate the complex voice interactions at runtime, custom IMAP, POP3, SMTP, and Microsoft Exchange Active Sync implementations for email handing, AWS integration, high-performance realtime computing to provide highly responsive TTS scrubbing/skipping, AutoLayout, Asana, Git, Xcode.
http://iamapps.net/blog/talkler

Lead iOS Developer
Smart Capture, (Graduate Studies, Georgia Tech)
January 2012 to September 2012
Atlanta, GA : Remote
Developed iOS based application for graduate study research program. The app captured audio and video of children in their home environment enabling parents to edit and share the A/V with behavioral experts and solicit feedback.
Objective-C, iOS 6, AVFoundation, Bluetooth audio peripherals for parents to trigger recording, media cataloging and uploading to backend, RESTful API to sync feedback from behavioral experts to parent devices, AutoLayout, Git, Xcode.

Lead iOS Developer
NutriTiming, LLC
January 2009 to February 2014
Atlanta, GA : Remote
Designed, developed, deployed and maintained iOS application and backing web application.
Objective-C, iOS 10, CoreData, RESTful API integration, custom graphs via CoreGraphics, proprietary data analysis, SVN, Git, Xcode.
https://nutritiming.com

Owner
January 2004 - Present
Atlanta, GA
IAM Apps is an iOS/Mac software development firm focused on quality service and quality results. We bring innovation, experience, and excellence to every project we engage.
http://iamapps.net/

Education:
Georgia Institute of Technology
BS, Computer Science, Highest Honors, 2008 - 2011
Activities and Societies: Gamma Beta Phi Upsilon Pi Epsilon Phi Theta Kappa