

# W. ALLEN BRUNSON

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Located in Nashville, Tennessee  
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<https://allenbrunson.com>  
<https://allenbrunson.com/mobile-apps/>

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Programmer for over twenty years. In the past, I have worked in telecom, on desktop apps, and on UNIX server apps. For ten years or so, I mostly wrote native iOS apps using Apple's own frameworks. For the past few years I have specialized in Flutter, Google's cross-platform framework for writing iOS and Android apps.

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## TECHNICAL SKILLS

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### Operating systems:

macOS, iOS, Linux, UNIX, Android

### Computer Languages:

Expert: Dart, C, Objective-C, bash shell scripting  
Intermediate: Python, Java, JavaScript, C++

### Web Sites:

nikola, pelican, django, jekyll, HTML

### IDEs:

Xcode, Android Studio

### Telecom:

Harris switches, Dialogic voice hardware

## PROFESSIONAL EXPERIENCE

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### CargoTel, New York City, New York

February 2019 to present

Driver Wireless Android: <https://play.google.com/store/apps/details?id=com.cargotel.driverwireless>

Driver Wireless iOS: <https://apps.apple.com/us/app/id1479180988>

I was brought on to build Driver Wireless, a mobile app that truck drivers use to manage vehicle pickups and deliveries. It is a replacement for an earlier Android-only app. My version runs on both Android and iOS.

Driver Wireless is used to direct drivers to where they need to go to pick up a load of vehicles, manages inspection and pick-up for those vehicles, instructs them where the vehicles should be delivered, and manages final inspections and sign-offs.

I have also written another, similar app, VH Inspect, for performing vehicle inspections that occur mostly via the railway system.

Most of my time is spent writing Dart for Flutter apps, but I also built an extensive automation system in Python that manages Dart and Ruby software updates and Dart code tests, and performs automated mobile application builds.

CargoTel is based in New York City, but I work remotely from my home in Nashville, Tennessee.

**Technologies:** Flutter, Dart, Android, iOS, macOS, Android Studio, Gradle, Xcode, Python

### Self-employed Contractor

May 2008 to present

<https://allenbrunson.com/mobile-apps/>

For over ten years I focused on iOS projects: a multi-user card game, a contact manager, an IM chat client, an SDK to deliver video ads, and many others.

In the last few years I have switched focus to mobile projects built with Flutter, Google's cross-platform app development framework.

I've also taken on other types of projects. The largest was a browser-based music streaming system, similar to Pandora. For the client end, I wrote a Flash browser plugin in ActionScript 3. The Flash plugin connects to an app I wrote in C++ that runs on a Linux server. Metadata was stored in a MySQL database. Song files and album art were stored on Amazon S3 servers.

**Technologies:** iOS, Dart, Objective-C, UIKit, macOS, Python

**GISbiz, Nashville Tennessee  
October 2013 to October 2018**

I spent most of my time at this company working on geoFIT, an iOS app that small gas and electric utility companies use to manage service orders and inspections. I also wrote a less involved app for filling and managing forms, called formFIT. In addition, I managed contributions from external developers and helped set direction for the company's mobile app efforts.

**Technologies:** iOS, Objective-C, UIKit, macOS, Xcode, Python, bash shell scripting

**Landmark Digital, Nashville Tennessee  
March 2006 to May 2008**

I was the lead developer for a music recognition system that Landmark was using to monitor roughly 400 radio stations all across the U.S. and Europe. Most of the code was written in C++ for Linux servers, with a few bash shell scripts for automation. I also wrote a few macOS apps for database user interaction and music recognition demos.

**Technologies:** Linux, macOS, Objective-C, C++, Oracle databases, bash shell scripting

**International Telecard Services, Miami Florida  
October 2001 to January 2006**

I met the people in this company through my contacts in the Florida telecom world. I did contract work for them for many years. They had a Harris switch, and I set up the same sort of telecom apps for them as I wrote for another telecom employer a few years earlier. They did a small amount of callback traffic in the early days, then changed their primary focus to debit cards. I set up new 800 numbers for them, edited digital recordings for promotional cards, helped with database and billing issues, and so on. I did most of the work remotely, while living in Nashville.

**Technologies:** Linux, Windows, C++, Microsoft SQL Server