

Atlanta, Ga  
(404) 808-8028  
chrishare37@gmail.com

# Chris Hare

[github.com/o4wcoder](https://github.com/o4wcoder)  
[linkedin.com/in/chris-hare-9135302](https://linkedin.com/in/chris-hare-9135302)

## Technical Skills

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**Languages:** *Java, Android App Development, C/C++, C#, Visual Basic .NET, Perl, BASH, ASP, HTML, CSS, TCL, JavaScript, PHP, SQL, Python, Groovy*

**Frameworks:** *.NET, JQuery, JSON, RxJava*

**IDEs:** *Android Studio, Eclipse, Visual Studio*

**Protocols:** *TCP/IP (ipv4 & ipv6), SOAP, XML, HTTP, DHCP, SNMP, NCS, SIP*

**Other:** *Git/Github, Gitlab, Gerrit, Jenkins, Jira, Gradle, IntelliJ, ClearCase, REST/Webservices*

## Project Experience

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- 2 years of experience creating native Android apps with Java, using Eclipse and Android Studio, with published apps on the Google Play Store.
- Experience prototyping mobile designs with mockups created using Balsamic.
- Completed several Android apps consuming HTTP REST APIs and parsing the JSON/XML using the Retrofit API, with data retention using SQL and Content Providers.
- Versed in optimizing performance in UIs, Threading, Battery, Memory using Android Studio Device Monitor.
- Up to date with the latest Material Design specifications for UIs including the latest animation techniques. Experience in optimizing apps for tablet and older Android APIs
- Experience with Cloud data storage using Firebase. Integrated Google Cloud Messaging (GCM) and the Firebase Cloud Messaging (FCM) into Android apps.
- Experience with Android Testing using JUnit, Robolectric, and Espresso
- Experience extending apps for Android Wearables and Chromecast.
- 16 years of professional Developer experience on Embedded Linux platforms, in a team environment, using Waterfall and Agile development processes. Years of experience managing projects and working closely with customers to meet their requirements. Performed countless code reviews using tools such as Crucible and very proficient in managing product defects using Agile, in tools such as Jira and IBM Rational products. Several years of experience using Git to manage project source code. Also have extensive experience with scripting (Perl, BASH, Python) to merge Git to build systems such as Jenkins.
- 7 Years of professional object oriented development using VB/C# .NET

## Published Android Apps

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**Moving Pictures Android App**

July 2016

<https://play.google.com/store/apps/details?id=com.fourthwardmobile.android.movingpictures>

- Movie Database App similar to IMDB or Flixter using the extensive TheMovieDB.org API.
- Search the Database for movies, TV shows and celebrities.
- Interface optimized for phones and tablets in the latest Material Design specs.

#### **O4W Tour of Homes Android App**

May 2016

<https://play.google.com/store/apps/details?id=com.fourthwardmobile.o4wtourofhomes>

- Android App for Atlanta's Old Fourth Ward Neighborhood's Annual Tour of Homes.
- Explore the homes, locate them on a map, and be notified (through Firebase Cloud Messaging) when tickets are available.

#### **Volume Manager Android App**

April 2016

<https://play.google.com/store/apps/details?id=com.fourthwardcoder.android.volumemanager>

- App allows users to set up automatic volume controls based on time intervals and locations
- Utilizes Geofencing to detect user's location and sets volume accordingly.
- Optimized for Tablets of all sizes.

## **Work Experience**

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**ARRIS Group INC. – Staff Firmware Engineer**

Suwanee, GA | May 2000 – March 2016

#### **Lead .NET Developer**

- Architect and developer of a Multi-Document Visual Basic .NET GUI Application used to create configuration files for provisioning Cable Modem, MTAs, and Wireless routers. Such providers as Time Warner, Comcast, and COX use this application to provision the Cable Modems for their customers.
- Created multiple Visual Basic and C# .NET application used by developers and QA for testing purposes.

#### **Embedded Firmware Developer on the ARRIS Telephony Touchstone Modem and Residential Gateway.**

- Firmware development using C on VxWorks and Linux Operating systems. Specialized in areas such as eRouter, Telephony, Provisioning and the routers HTML Web GUI.
- Created a Firmware upgrade feature that would map data written on an older version of the ARRIS router to a completely different schema for a newer model router. This feature safely upgraded hundreds of thousands of customer's router setting without loss of data or interruption in service.
- Built a Router Web GUI using HTML, Javascript and JQuery used to run on the Virgin Media's cable modem/wireless router. Created several features and fixed bugs for other cable companies' router Web GUI's.
- Headed our effort to move our Firmware source control and build environment from Clearcase to Git and Yocto build systems. Wrote all BASH and Python scripts for the new environment.

## **Education**

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**Udacity** – *Android Developer Nanodegree*  
**Big Nerd Ranch** – *Advanced Android Bootcamp*  
**Georgia State University** – *Computer Science, B.S*

*March 2016*  
*October 2015*  
*December 2004*