



# Modern App Development

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<http://theundocumentedapi.com>

# Agenda

Developing for Windows

Building Apps using Open Data API's

Cross Platform App and Game Development

Resources



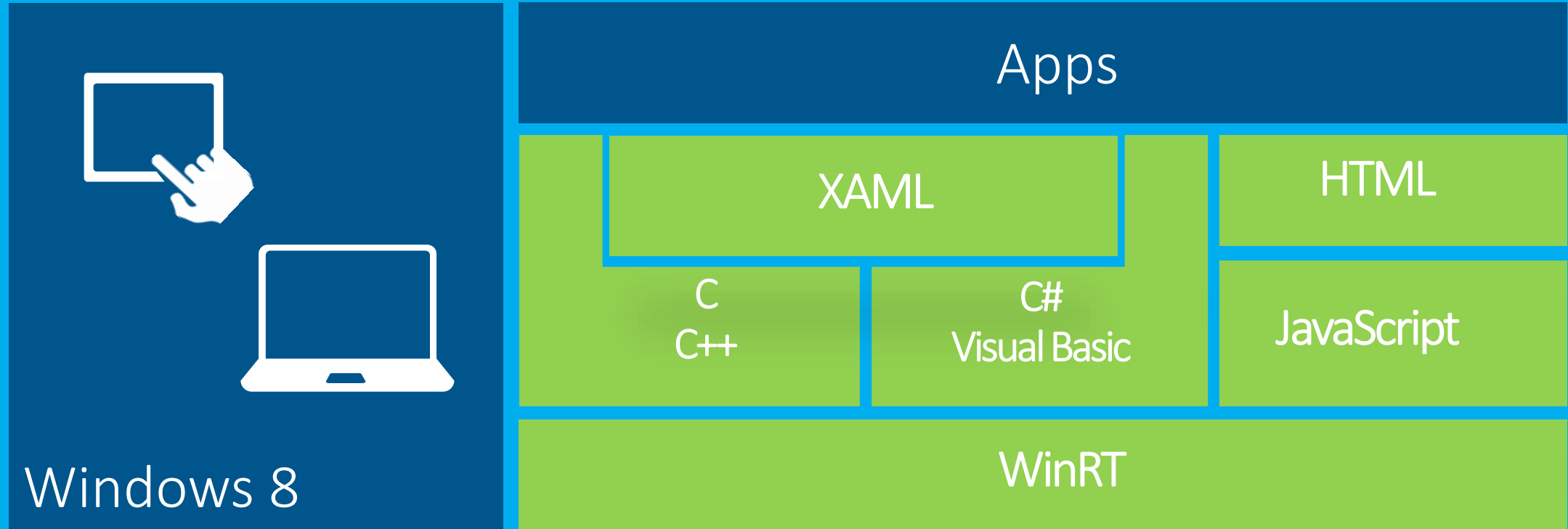
Immersive Touch-first  
experience

Apps or Games

C++, C# or HTML5/JS

Developing for Windows



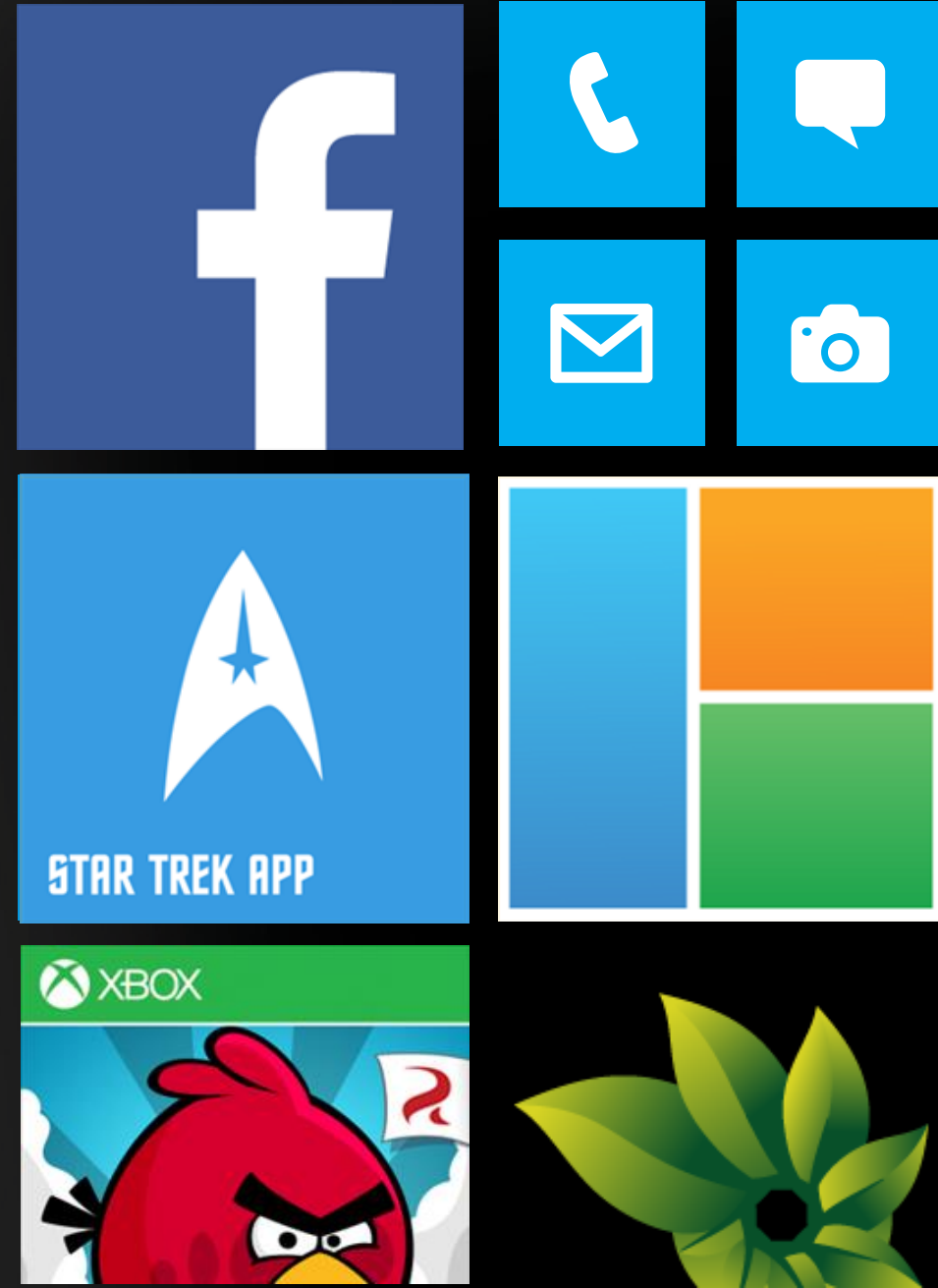


# Developing for Windows

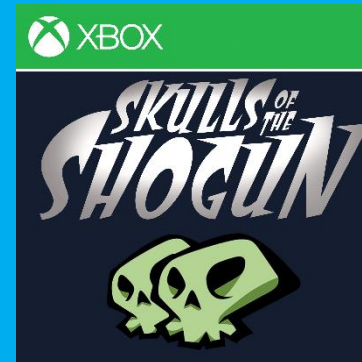
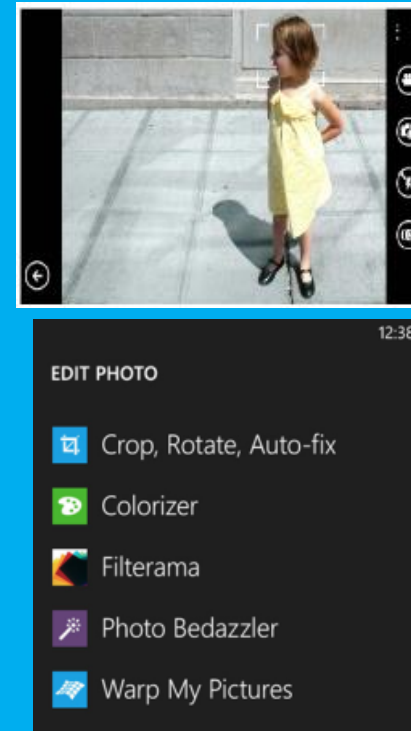
DEMO

Shared core with Windows 8  
Common programming model  
Skills portability  
Consistent user experience

 Windows Phone



Live Tiles  
Live Lock Screen  
Lens Apps  
Integrated Wallet  
Xbox Games



Differentiated Apps

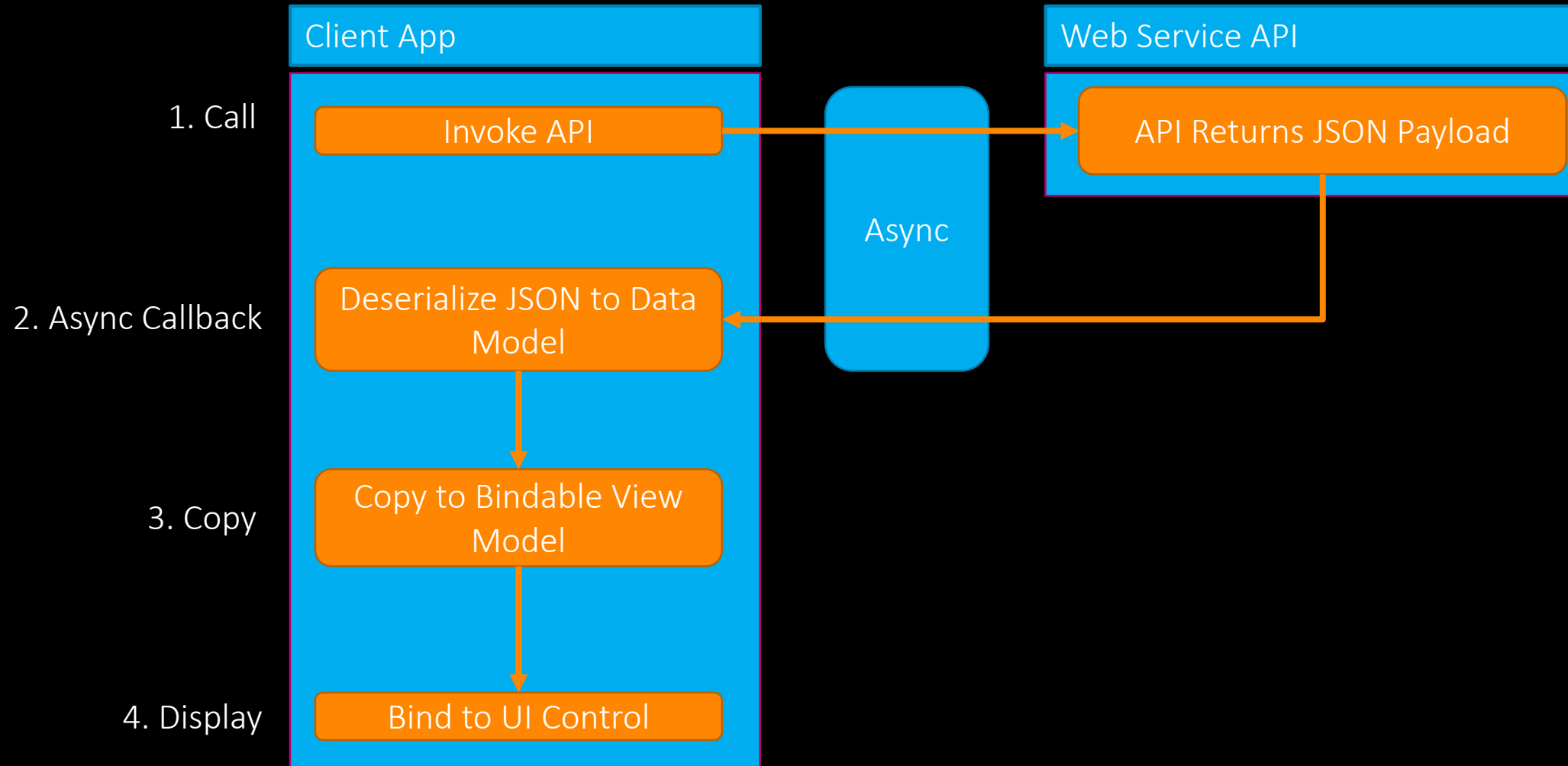


# Development

Using Visual Studio to create Apps for Windows

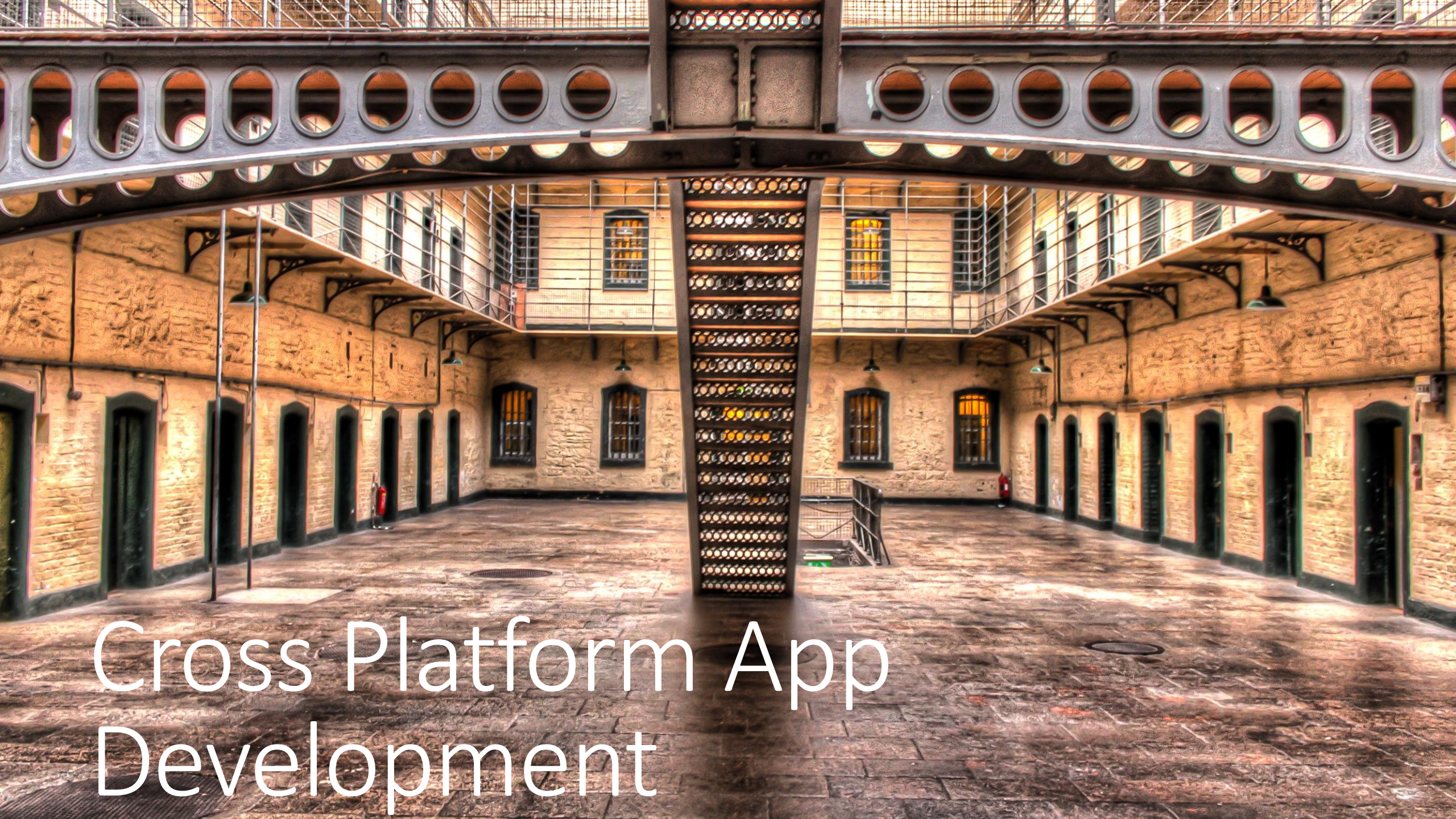


# Building Apps using Open Data API's



DEMO





# Cross Platform App Development



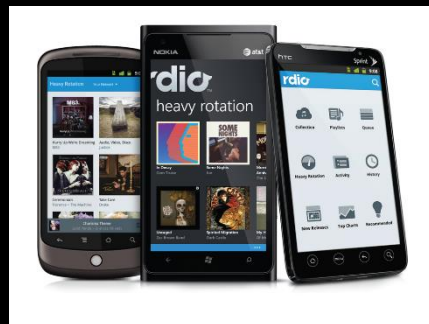
# C# developers

**Xamarin**

**Xamarin** - Xamarin enables developers to build fully native iOS and Android apps in C# that can share code with Windows apps. Through code re-use and sharing, and by unifying mobile app development in C#, Xamarin makes it possible to deliver gorgeous, performant, native apps for all major device platforms quickly



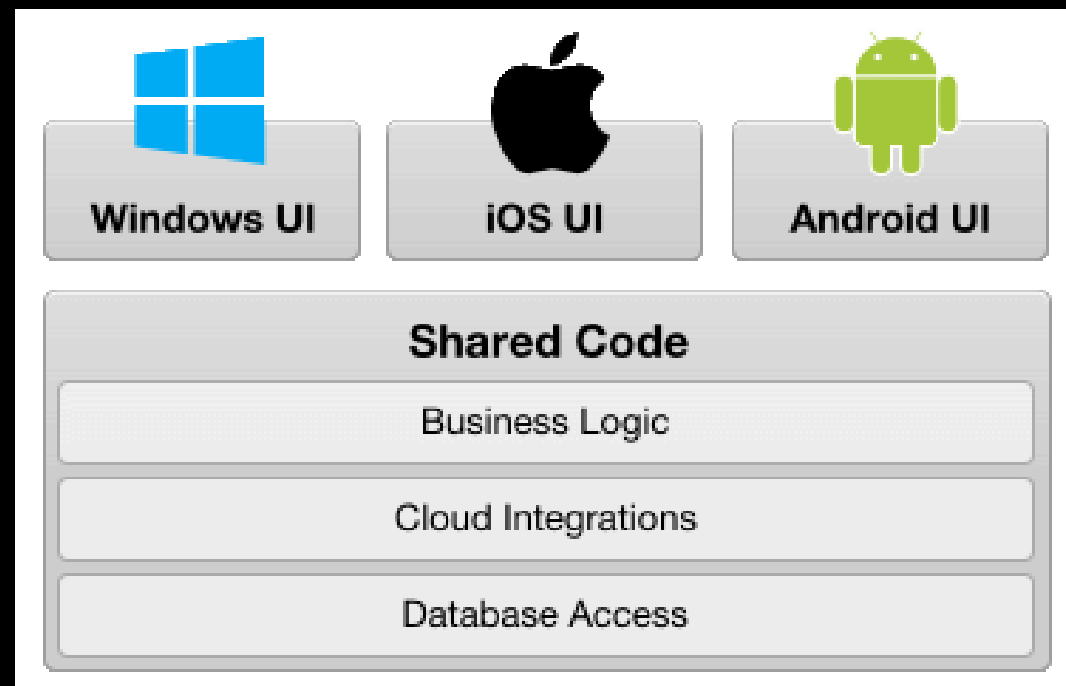
Draw A Stickman



Rdio



Infinite Flight



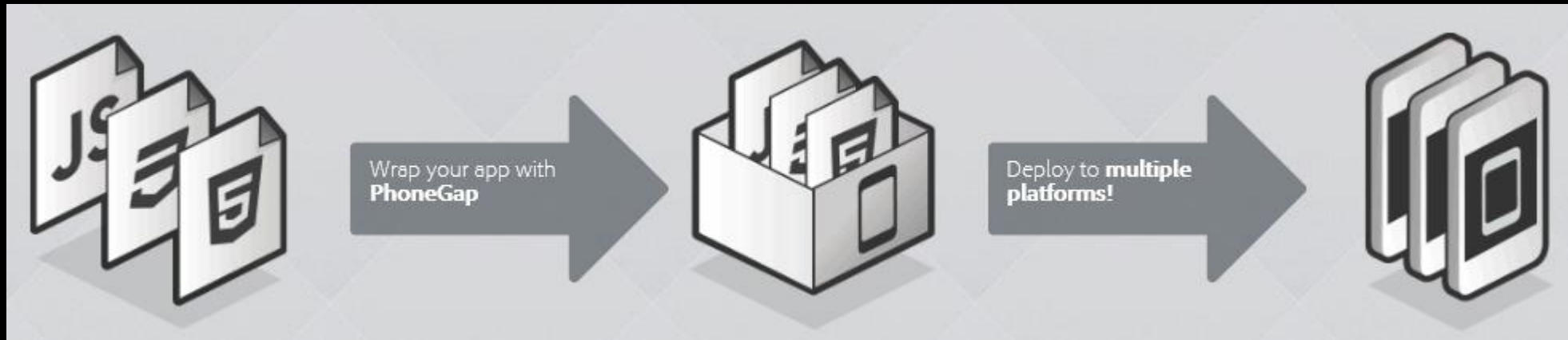
# HTML5/JS developers



Free open source cross platform framework for apps on mobile devices

Renders UI using HTML5 and CSS; Web browser encased in a native app for each platform

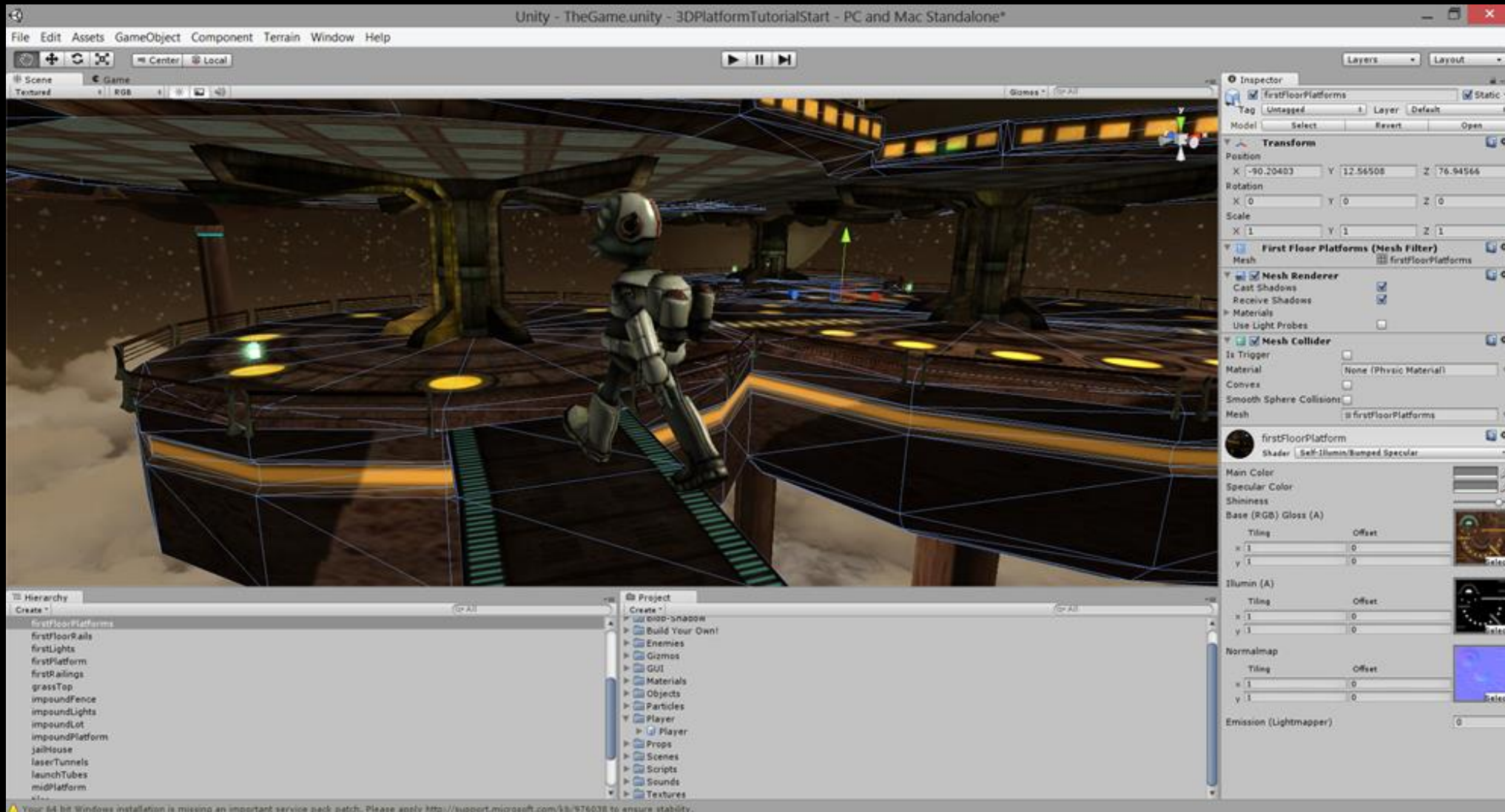
Build for Windows Phone and Port to Windows 8



# C# developers



Unity – most popular cross platform game development tool for 2D and 3D games





# C# developers



MonoGame - Write Once, Play Everywhere

**MonoGame** – cross platform implementation of the XNA 4.0 framework





# HTML5/JS developers



**GameMaker** - family of products that caters to entry-level developers and seasoned game development professionals to create cross platform games

The GameMaker: Studio™ Family



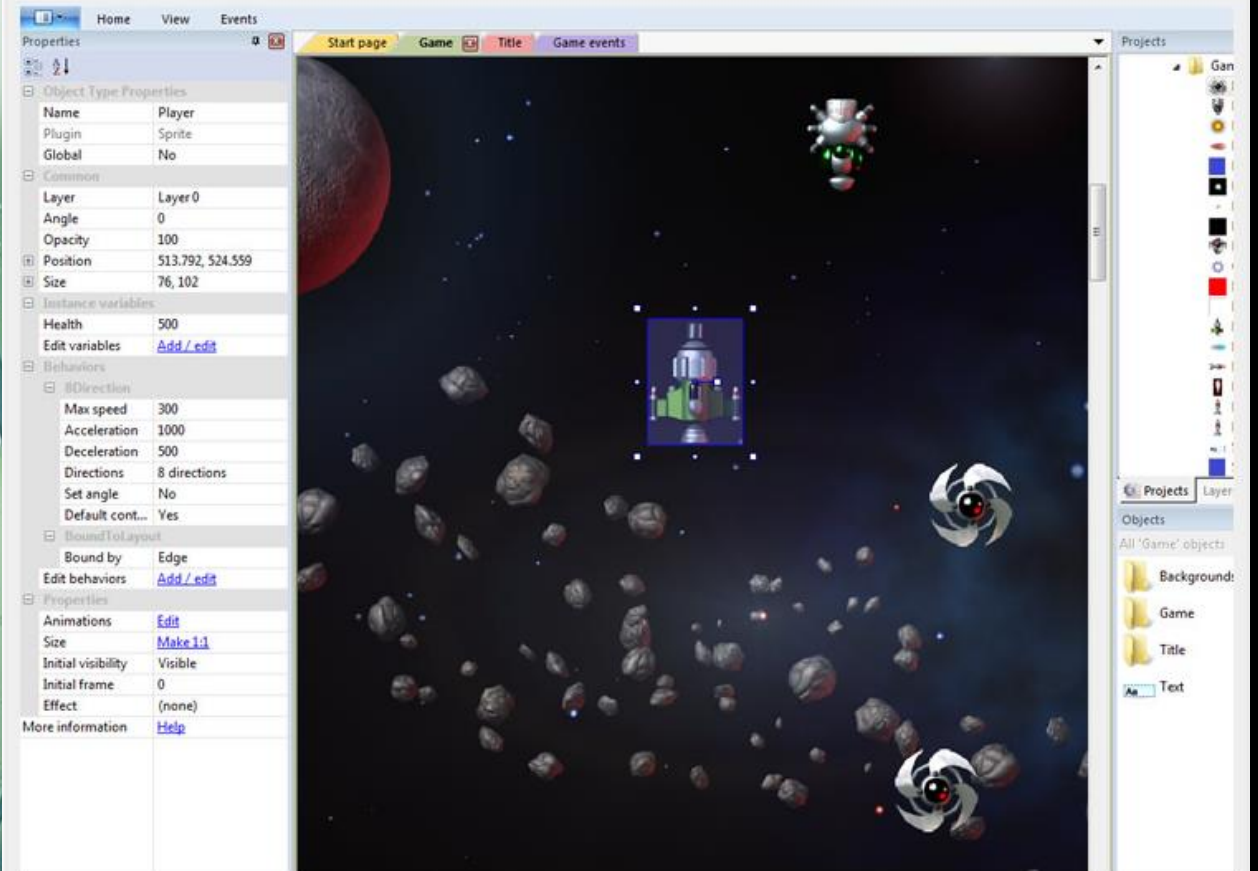
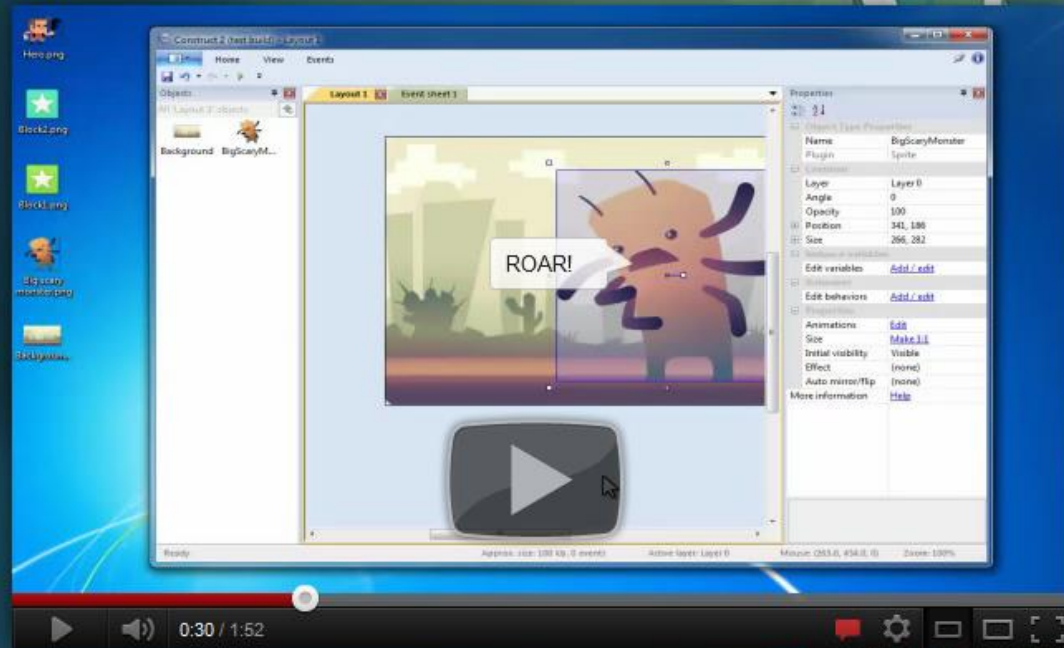
**Create games 80% faster.**

# HTML5/JS developers

## Construct 2



*Game Creation*  
Construct 2 has arrived. For everyone.



**Drag and Drop**  
Making games has never been easier than with Construct 2



Take a look at Construct 2's Features



# HTML5/JS developers



GameSalad – create cross platform games rapidly with no code

Create Games Rapidly  
Drag & Drop, No Code

Download Creator for Free

Develop on and publish to all major platforms





# HTML5/JS developers

CreateJS – suite of modular libraries and tools which work together to enable rich interactive content on open web technologies via HTML5



<http://bit.ly/R3v2DH>

<http://bit.ly/R8Rf1v>



# HTML5/JS developers



ImpactJS - JavaScript Game Engine that allows you to develop stunning cross platform HTML5 Games



<http://jessefreeman.com/>

# Resources

DreamSpark → <http://dreamspark.com>

- Downloads the development tools

- Download the SDKs

- Get your free Windows 8 and Windows Phone Developer Accounts

AppBuilder → <http://build.windowsstore.com>

## Training

C# Fundamentals → <http://aka.ms/CsharpDevBegin>

Windows Phone 8 for Beginners → <http://aka.ms/absbeginnerdevwp8series>

## Starter Kits

APIMASH → <http://aka.ms/apimash>