

# COMPETENCY STATEMENT

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*March 2015*

Rocudo is a Technology/Applications Developer with a focus on Audio & Music Technologies for Web, Mobile and TV Applications.

Rocudo was founded in 2004 by CEO Culann Mac Cabe, PhD and is based in the National University of Ireland, Galway.

Rocudo draws on in-house and academic expertise to develop and deliver Basic Research, Intellectual Property and turn-key Applications to a range of international customers.

This document is a listing of Company Competencies, based on past and current projects, training and ongoing in-house research.

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## ***Key Competencies***

### **Basic Research**

- Audio Digital Signal Processing and Algorithm Development
- Product Research, Development and Management

### **Audio Algorithm Development**

- Research and Development of audio signal processing algorithms
- Embedded DSP development (Assembly, C)

### **Web Development**

- HTML5, CSS, Javascript, Web Audio & Video
- Back end/Cloud: Amazon S3, EC2

### **Mobile/Tablet App Development**

- iOS & Android App Development, with focus on Audio, GPS, Cloud, JSON, Bluetooth, Advanced UIs

### **Set-Top Box Application Development**

- Linux-based Audio
- HTML5/CSS User Interface Development
- Middleware-based Application Development: Wyplay

### **Generative Graphics**

- Advanced run-time generative graphics for music visualisations
- Novel User Interfaces based on run-time generative graphics

### **Music Technologies**

- Audio plug-ins for popular DAW platforms (TDM/RTAS, VST, DirectX)
- Proprietary audio compression algorithm (Apt-X™) implementation
- Interfaces: MIDI, OSC, RS422

### **Social & Music APIs**

- Facebook, Twitter, SoundCloud, Spotify, iTunes

### **Desktop Application Development**

- C#, .Net Framework for Windows; Cocoa Framework for Apple Mac

## *Contact Information*

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