Casey Langen

Specialties: Mobile, web and desktop client-side software engineering.
Languages: Java, Javascript, C++, Objective-C, C#, PHP, Python, SQL
Technologies: Android, Web Development, Win32, MFC, QT, WinForms, Cocoa, Gtkmm, sqlite

Experience

Amazon Music

Software Development Engineer III (2013-present)
- Engineering lead for the Amazon MP3 HTML5 store (amazon.com/mp3) for iPhone/iPod and Android.

Software Development Engineer II (2010-2013)
- Engineering lead for the Amazon MP3 HTML5 store for Kindle Fire and Kindle Fire HD.
- Engineering lead for Amazon Cloud Player on Android and Kindle Fire.

Software Development Engineer (2007-2010)
- Created and maintained the Amazon MP3 Store for Android.
- End-to-end owner and sole developer for the Amazon MP3 Downloader for Windows, Mac, and Linux.

Intern (2005, 2006)
- Research and development for the yet-to-be-released Amazon MP3 Store.
- Prototyped and implemented client-side software using C# and WinForms.

California State University, Bakersfield
Tutor (2004-2006)

- Tutored undergraduate students in C, C++, Java, basic algorithms, and object oriented design.
- Created and maintained the Computer Science department website.
- Lectured introductory courses in C++ and UNIX.

Core Laboratories
Programmer, System Administrator (2000-2004)

- Designed and authored in-house image processing and manipulation software for visualizing large amounts of high resolution photos.
- Wired and administrated a small-business network with 30+ computers running various versions of Microsoft Windows and DOS.

Photoworks
Graphic Artist, System Administrator (1998-2000)

- Responsible for photograph restoration, manipulation and enhancement. Also: web design, ad layout, logo creation, and video editing.
- All network admin work and hardware/software maintenance.

Personal Projects

autom8 (2008-present)

- Control lights, appliances, and monitor security sensors from your phone.
- Server implemented in C++ with boost, openssl, sqlite, and QT.
- Clients for Android (native), iOS (web), and Desktop (web)

cgallery (2010-present)

- A small, clean photo gallery management system.
- Written with PHP and Javascript, utilizing HTML5 features where available.

Plasma (2010)

- A hypnotizing live wallpaper for Android.
- Implemented without hardware acceleration in C using JNI.
- Over 243,000 downloads in the Android market with an average 4.1/5 user rating.

musikCube (2004-2007)

- A clean, lightweight music library and player for Windows.
- Open source under the BSD license.
- Over 125,000 downloads, 2500 forum members.

Education

California State University Bakersfield
Bachelors of Science
Computer Science (2006)