

Benjamin Ragheb

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PROFESSIONAL EXPERIENCE

Software Engineer, New York Stock Exchange (formerly TransactTools), New York, NY
September 2006 to February 2008

As part of a ten-person team, I was responsible for enhancing and maintaining TCM, an enterprise scale financial message routing, translation, and monitoring application written in Java. I participated in the development of a FAST protocol implementation based on a draft specification. I diagnosed and fixed bugs resulting from incorrectly synchronized code. I maintained the build system using Ant, Perl, and shell scripting.

Software Engineer, General Dynamics C4 Systems (formerly MAYA Viz), Pittsburgh, PA
March 2004 to August 2006

As a member of the Command Post of the Future (CPOF) team, I assisted with the development and deployment of a large, multi-threaded, client-server based Java application used by the United States Army for command and control in Baghdad, Iraq. I diagnosed and fixed bugs to harden the system over three major release cycles.

COMMERCIAL PROJECTS

FatWatch (iPhone OS) – <http://www.fatwatchapp.com/>

Independently designed and implemented a native iPhone application for tracking body weight. Used SQLite to manage database on device, Core Graphics to display charts, and CFNetwork to create an embedded web server for data import/export over Wi-Fi. Available on the iTunes Store.

Lock 'n' Roll (iPhone OS) – <http://www.fatwatchapp.com/>

Collaborated with a designer and artist to create dice-based puzzle game. Extensive use of Core Animation API for 2D animation and visual effects. Used Cocoa networking API to submit high scores to a PHP application for a worldwide high scores list. Available on the iTunes Store.

OPEN SOURCE PROJECTS

LJKit (Mac OS X) – <http://sourceforge.net/projects/ljkit/>

LJKit is a Mac OS X framework written in Objective-C which provides an object-oriented abstraction layer for interacting with LiveJournal.com, a weblog service. It is used in two applications, Xjournal and Journler, with approximately 30,000 users. Source is available online.

SoundDial (Mac OS X) – <http://www.benzado.com/sounddial/>

SoundDial is a Mac OS X application which can generate DTMF tones, allowing you to dial your telephone by holding it up to your computer speakers. It can save the tones to disk as an AIFF file for playback in other applications. SoundDial also includes an Address Book plug-in to allow playing of tones directly from within the Mac OS X Address Book application. Source is available online.

Sudoku (Mac OS X) – <http://www.benzado.com/sudoku/>

Sudoku is a Mac OS X implementation of the popular puzzle game. It presents a randomly generated puzzles and marks invalid entries in red as you edit the grid. It also supports printing. Source is available online.

EDUCATION

Cornell University College of Engineering, Ithaca, NY — B.S. Computer Science 2002

SKILLS

In addition to computer work I also perform improvisational comedy.