

Felipe Contreras

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Other: [LinkedIn](#), [ohloh](#) (ranked 1100 of 1340291), [github](#)

Areas of Interest

Open Source, Multimedia technologies, Mobile devices, Linux kernel, Instant messaging, Performance optimization.

Corporate Experience

Nokia

Senior Software Engineer

March 2007 – Present

Primarily I have been the main developer for multimedia video hardware adaptation on the Maemo/MeeGo team for the [Nokia N9](#), and [Nokia N900](#).

My main role has been to enable the use of hardware accelerated video codecs (e.g. Texas Instruments' OMAP3) in our multimedia framework: GStreamer. I started and became the main developer of [gst-openmax](#) and [gst-dsp](#) which are open source projects used in different products (not only in Nokia).

I also became involved in many related projects in a vertical manner in order to optimize the system as a whole and contributed to the Linux kernel, specially in TI's [dspbridge driver](#).

Other projects I started are: [gst-omapfb](#), [dsp-tools](#), and [dsp-dummy](#). Also, test related tools such as: [milaatu](#), and [gst-xssim](#) (element to verify SSIM efficiently).

Dextra Technologies

Software Developer

February 2005 – December 2006

I worked in a variety of projects as a subcontractor for companies like Nokia, Texas Instruments, and HP. I used technologies such as Symbian, J2ME and Helix.

The most important project was the development of GStreamer wrappers for OpenMAX IL components, which led to the creation of [gst-openmax](#).

Personal Experience

[Pidgin](#)

Member of the development team

My task was basically to provide all the support for the MSN Messenger module, so I had to know all the details of the communication between the client and server of the MSN Messenger IM protocol. I was the most active (only one?) in this module at the time.

msn-pecan

Author and main developer

msn-pecan is basically a libpurple plug-in that provides better support for MSN Messenger. It's one of the most used third-party plug-ins for Pidgin, and also one of the [most downloaded applications](#) for the Nokia N900.

Other

I also have created a wide variety of open projects, such as [libmtag](#) (music tagging), [lib-scrobber](#) (last.fm/libre.fm scrobbling), [libpurple-mini](#) (minimalistic version of libpurple), [gst-av](#) (FFmpeg's avcodec GStreamer wrapper). And contributed to open projects such as Git, and [Bellagio OpenMAX IL](#).

Academic References

Computing Systems Engineer (4.5y B.S.)

[Monterrey Institute of Technology and Higher Education](#)

Campus Monterrey, December 2004

Cumulative Average Grade: 83/100

Technical Skills

Expert: C, Git, Vim, GStreamer, Make, Bash, Ruby, MySQL, Scratchbox

Advanced: Python, C++, autotools

Personal Traits

- Attention to details
- Self-driven
- Collaborative
- Fast learner

Last updated: February 28, 2012