Andrew Clunis

PERSONAL

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OVERVIEW

Andrew Clunis is a self-taught software developer, specialising in Free Software, with experience writing both graphical desktop and web-based applications. An active participant in the Free Software community, Andrew has contributed code to a number of different projects. He is something of a generalist and has interests, expertise and experience distributed throughout the depth of multiple stacks.

TECHNOLOGIES

OPERATING SYSTEMS	GNU/Linux (Debian/Ubuntu), *BSD, Microsoft Windows
LANGUAGES	Ruby, JavaScript, Python, C(++), C#, Java
SYSTEMS	GTK, Gstreamer, Ruby on Rails, Android (and Android internals), Node.js, Linux kernel

WORK EXPERIENCE

Current SEPTEMBER 2008	Maker *for* CREDIL *Maker and Founding Board Member* Participated in the founding of the organisation, implemented technical solutions using Free Software for multiple organisations as a part of CREDIL teams. Continuing to serve as board member. Details below, as marked.
Current NOVEMBER 2010 CREDIL	Software Developer *for* HRSDC *Video Stream "Reflector" for IITB Webcasting System* Implemented "Stream Pump", an MMSH video stream reflector for enabling delivery of live video content to large numbers of desktops behind network bottlenecks. Used Node.js and GNU/Linux.
Current SEPTEMBER 2008 CREDIL	Software Developer *for* NOVAVISION *Ambient Music and Digital Signage System* Implemented server and display components, reusing presentation system architecture. Used GNU/Linux, Ruby, GTK, Gstreamer, Clutter, and Ruby on Rails. Implemented userspace driver for LCD display unit included in the hardware platform. System deployed for several large customers.

AUG 2009-JUNE 2010 CREDIL	Software Developer *for* OTGV-C *SIP/h.264 Video Softphone Application for Android* Contributed to multiple components of the stack, including the streaming media engine, user interface and user experience integration.
SUMMER 2008 CREDIL	Software Developer *for* MELOCHE TELEVISION *Presentation Display for Live Television Events* Implemented server and display components. Used GNU/Linux, Ruby, GTK, and Ruby on Rails. Developed for live industry television event hosted by a large pharmaceutical corporation.
APR 2007-SEPT 2008	Software Developer *for* INFOGLOBE Supported existing television presentation system. Developed recorder appliance system for use in legal procedings, using Python and Gstreamer.
WINTER 2006	Drupal Developer *for* OPENCONCEPT CONSULTING Developed a solution to migrate web site content from an older proprietary CMS system to Drupal 5.
JUL 2003-JUL 2006	IT Administrator and Developer *for* INFOMAN INC. Maintained small office network, implemented a web application in Rails for managing terms and definitions used in ISO JTC1 standardisation processes on e-business and e-learning.
Current 2003	IT Administrator *for* INTEGRAL DX ENGINEERING LTD. Providing ongoing incidental support and consulting on IT systems using Free Software for a growing mechanical engineering firm.

COMMUNITY

Contributed to or created the following projects:

STREAM PUMP	MMSH Video Stream Reflector in Node.js Created new Free Software project to implement the HRSDC webcasting project detailed above.
SRB2	Community-Produced DOOM-based game with a classic platformer twist Contributed some platform support code, bug fixes, and hosting of online development facilities including issue tracking and source code repository.
OLPC	One Laptop Per Child Contributed specifications and prototype of Develop activity, a component intended to enable children in the OLPC program to modify and create Activity software.
MINECRAFT OVERVIEWER	Minecraft to Google Maps JS API renderer Contributed sign live search box, allowing users to find places of note in a large Minecraft map quickly.
GMUSICBROWSER	Media Player in Perl and GTK Contributed plugins, specifically for automatic song rating and an HTTP web interface.
OCLUG	Ottawa Canada Linux Users' Group Served on board of directors in 2004.