

# Brit Butler

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## CONTACT INFORMATION

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Code: <http://github.com/redline6561/>  
Web: <http://www.redlinernotes.com/>

## EDUCATION

**August 2007 – present**

**B.Sc. in Computer Science**

Southern Polytechnic State University

I transferred to SPSU in August 2007 to pursue Computer Science. After the first semester, I took a year off to work full-time and self-study. I returned in January 2009 with an expected graduation date of May 2011.

**January 2008 – August 2008**

**Self-Study**

Southern Polytechnic State University

After my first semester at SPSU I decided to self-study programming while working full-time. I did this throughout 2008 and have written about it (including posting my work progress), notably [here](#) and [here](#). Example work from self-study can be found [here](#).

**August 2004 – May 2007**

**B.A. in Literature (transferred)**

Oglethorpe University

I spent several years at Oglethorpe studying literature and economics with particular interests in 20th century poetry and the provision of public goods before leaving because OU did not offer a CS program.

## WORK EXPERIENCE

### Remunerated

**November 2010 – November 2010**

**Contractor**

Leslie Polzer

I was contracted to add a PostgreSQL backend to the Weblocks web framework in a short timeframe. The task was completed in 2 weeks using the Postmodern library and conformed fully to Weblocks' existing Store API.

**August 2010 – November 2010**

**Web Developer (Part-time)**

Teacher Resource Network

At TRN, I worked closely with the Lead Developer writing extension modules for the Drupal Content Management System in PHP. I left to focus my full attention on school and personal studies.

**January 2008 – September 2008**

**Help Desk Assistant (Full-time)**

TVSA

Aside from typical Help Desk duties, I developed and maintained a simple Joomla based intranet after evaluating Plone and Drupal. I assumed responsibility for the videoconferencing and AV equipment and made bi-weekly trips to the Chicago office to do maintenance on our desktops and servers there. I also held several training sessions on use of the videoconferencing equipment and intranet.

**May 2007 – December 2007**

**Help Desk Assistant (Part-time)**

TVSA

I acted as assistant to the Lead Developer, performing setup, testing and deployment of Java Servlet servers using Apache/Tomcat and Jetty as well as our Subversion server. Prototype work was done on load-balancing with nginx and Terracotta but didn't reach production.

**August 2005 – July 2006**

**Help Desk Associate**

Leading the Way

I assisted in maintaining 25 PCs and 5 Macs with work ranging from software setup, troubleshooting and system rebuilds to disk imaging and data rescue from corrupted partitions.

### Voluntary

**September 2009 – present**

**Lead Developer, Maintainer**

Paktahn

Paktahn is a command-line based package management helper for Archlinux. I have made 7 major releases, fixed numerous bugs, implemented several features including proxy support and AUR updates and assisted users on the Archlinux forums. Recently, I handled the migration from version 5 to 6 of the underlying libalpm C library and found a regression in libalpm's API in the process.

**September 2010 – present****Lead Developer, Maintainer**

Clockwork

I wrote a simple, functional and robust event reminder service utilizing the Weblocks web framework. It uses the jQuery library and the cl-prevalence object database to send reminders by email, text message or both at a preset time. It continues to run at <http://clockwork.redlinernotes.com> and the LLGPL-licensed code is available from my github page. I also wrote a set of introductory Common Lisp web programming tutorials explaining the code: [Part 1](#), [Part 2](#), [Part 3](#).

**March 2011 – present****Co-Maintainer**

cl-store

cl-store is a Common Lisp serialization and deserialization library. Leslie and I took over maintenance from the creator, Sean Ross.

**October 2010 – January 2011****Contributor**

Weblocks

I authored patches which added a PostgreSQL backend, connection pooling for the existing backends, enabled the use of inline javascript in page headers, improved the handling of remote dependencies and allowed wildcards in webapp hostnames.

**February 2011 – April 2011****Contributor**

cl-opencv

cl-opencv is a work in progress binding to Intel's OpenCV (computer vision) library. I investigated generating the FFI bindings with SWIG and Verrazano so that the scarce attention of open source developers could be focused on high-level wrappers rather than more menial tasks. The original author is planning to leverage the CL libraries Verrazano and FSBV (Foreign Structures By Value) for future development based on my findings.

**January 2010 – May 2010****Intern**

Kloudshare

I extracted and open sourced a library for easily interfacing with web service APIs from the Kloudshare codebase. The library is called cl-web-utils and is available on github. I documented various parts of the overall architecture and helped track down a serious bug for first time users of the service which prevented content from loading properly.

**January 2010 – April 2011****Contributor**

Miscellaneous

I have also contributed minor documentation and portability patches to:

- SBCL, the Steel Bank Common Lisp compiler
- cl-docutils, a Common Lisp port of Python's docutils system and ReStructuredText parser
- external-program, a Common Lisp library for running external processes
- unix-options, a Common Lisp library for handling command line arguments

**SKILLS**

I've been interested in computers as long as I can remember. I remember trying to learn about computer hardware and designing custom PCs as far back as 4th grade and built my first custom PC by hand in 6th grade. I started using Linux primarily and becoming more interested in programming circa 2006. I have a particular interest in compilers and the implementation of dynamic, interactive languages but am consistently seeking to extend my knowledge in all areas of Software Development and Computer Science.

Programming Languages (intermediate): Common Lisp, Java, PHP

Programming Languages (novice): C, Python, Erlang, Scheme, C#, Haskell, C++, Factor, Javascript, Emacs Lisp, Clojure

Markup Languages: HTML, CSS, LaTeX

Operating Systems: Mac OS X, Windows 3.11-7, Various Linux distributions especially Archlinux

**INTERESTS**

When I'm not in front of my computer, I like to skateboard, play blues guitar and read and write poetry. Whenever I have the time, I blog about my technical experiences, observations and sometimes music or poetry [here](#).

I have serious interests in Intellectual Property Law and Peer Production.

**REFERENCES**

Available on request.