

# phil christensen

technical architect



<http://bubblehouse.org>

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(principals only, please)

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## modu

<http://modu.bubblehouse.org/>

pragmatic web application toolkit

## txOpenID

<https://launchpad.net/txopenid>

an implementation of the OpenID 1.1 provider specification

## Jam2

<http://bubblehouse.org/home/project/jam2>

a Drupal module for managing online music media and podcasts

## txSpace

<https://launchpad.net/txspace>

a multiuser platform for building text-based virtual worlds

```
#!/usr/bin/perl
$Z=sub{for($Z=0;$Z<@_;$Z++){$z=oct(
"$_[ $Z++]" )."$_[ $Z++]" .$_[ $Z ];for(
$W=0;$W<length($z);$W++){($n,$N)=
split(m--,substr($z,$W,2));$W++;$X=
int($n);push(@v,split(m++,${N}x${X}
));}}for($W=0;$W<@v/3;$W++){$_=chr(
int($v[$W].$v[$W+055].$v[$W+0x5A]))
;$_=~tr,a-zA-Z,n-za-mN-ZA-M,;print
$_;}};$Z->(10016,0x460,4120,6046,
0x1810,3110,15706,0x83e,1130,2437,
0xb5e,2110,2447,0x456,1213,6050,
0x456,3411,2613,0x840,1321,1763,
0x7db,1910,2151,0x584,1312,1771,
0x715,1714,2130,0x77a,2112,3256,
0x4ba,1411,7032,0x5ef,1718,2142,
0x6af,1812,2442,0x6b0,1417);
```

## profile

Detail-oriented engineer and open source expert seeks position pushing technical boundaries.

## skills

python, perl, php, c/c++, regular expressions, java, j2me, ruby, lisp, objective c (cocoa), ldap, apache, asterisk, bind, postfix, lucene, mysql, oracle, applescript, postgres, sqlite, twisted, subversion, emacs, vi, bash, grep, sed, debian, red hat, ubuntu, gentoo, mac os x, solaris, freebsd, openbsd, iptables, darwin streaming server, shibboleth, open id

professional guitarist, composer, and audio engineer.

## experience

### Senior Programmer, Anthology of Recorded Music; New York, NY — May 2007 – present

- Designed and developed ground-up rewrite of the DRAM Online (<http://www.dramonline.org>) audio streaming service, including an all-new search engine core, based on hybrid Lucene/MySQL technology.
- Created custom AJAX-enhanced administration interface, enabling efficient audit techniques as well as general content management functions.
- Created robust import workflow mechanism for importing new audio collections
- Implemented custom access module for Darwin Streaming Server, using web session data stored in a MySQL database to delegate access to streaming content.
- Implemented libraries to provide application-level support for Shibboleth authentication.

### Senior Programmer, Reflexions Data; White Plains, NY — December 2004 – May 2007

- Designed and developed a custom distribution of the Drupal CMS aimed towards authors of literary works. Made customizations to enable serving 1600+ sites from a single database.
- Designed and developed the web-based database administration framework, Proкуро (<http://reflexionsdata.org/project/proкуро>), and dist, a code distribution tool.
- Designed and coordinated development on a multiuser presentation platform; client/server software coordinated the display of presentation data on 50 to 100 clients with interactive features and extensive metrics and reporting.
- Primary system administrator for production and development machines, office networking, Asterisk VOIP system, custom backup server, Postfix mail servers, and Plesk administration.

### Programmer, Farechase Inc./Yahoo! Inc.; New York, NY — April 2004 – August 2004

- Participated in maintenance and development of new and existing data retrievers for FareChaser travel search tool. (<http://farechase.yahoo.com>).
- Created Perl framework of harvesting tools, using WWW::Mechanize and HTML::TreeBuilder, including a fail-safe retriever shell to provide additional flexibility over existing implementation.
- Farechase sold to Yahoo! in July of 2004; left to pursue graduate degree.

### Lead Programmer, RESCUECOM, Corp; Syracuse, NY — August 2003 – April 2004

- Designed and implemented a port of a handheld service call, scheduling, ordering and inventory tool to the Blackberry platform using J2ME, and the Blackberry API.
- Created fixed-point math library to enable decimal calculations on the Blackberry, and live-updating RecordStore-based data API.

## education

State University of New York at Purchase — Studio Composition MFA — 2006

State University of New York at Oswego — Music BA — 2001

references available upon request