CHRIS WINTERS

TECHNICAL ABILITIES
Langages: Java, Perl, SQL (Generic and Transact-SQL), JavaScript, Groovy, bash
Databases: Microsoft SQL Server, PostgreSQL, MySQL, SQL Anywhere Studio, Sybase ASE, SQLite, HSQLDB (incidental: Oracle, Firebird SQL)
Frameworks: Java Servlets (Tomcat/Jetty), JSP (standard, custom taglibs, tagfiles, JSTL), Spring, Hibernate, Quartz, JBoss, EJB 1.1/2.0, Struts, JDBC, JMX, JMS, JTA, XML (SAX/DOM/XPath), OpenInteract, SPOPS, mod_perl, Template Toolkit, Wiki (TWiki, CGI::Wiki)
Platforms: Linux, Windows 95/98/NT/2000/XP, Mac OS X, Solaris, FreeBSD
Servers: HTTP (Apache [Unix/Win32], IIS [Win32], Tomcat), SMB (Samba), SMTP (Sendmail), POP/IMAP (Cyrus), SSH (OpenSSH), LDAP (OpenLDAP), DNS (BIND)
Development Infrastructure: IntelliJ IDEA, XEmacs, Ant, Maven, make, CVS (admin/client), Subversion (admin/client), Netbeans, Nullsoft Installer, Visio, JIRA, UML
Testing Infrastructure: JUnit, EasyMock, Struts Test Case, Test::More, Test::MockObject, DBD::Mock

EXPERIENCE

11/2000 - present   **Senior Application Architect**
                        Optiron Corporation, Pittsburgh, Pennsylvania
Transitioned mature enterprise Win32 client/server billing/CRM system to **J2EE application server** architecture. Old system comprised Visual Basic and Microsoft SQL Server with heavy use of stored procedures and triggers. New system moved business logic into scalable pure Java middle tier.

Implemented web services interface that consumed and produced XML messages over HTTP to integrate third-party webapp to core system. Built asynchronous job scheduling component using Quartz to generate XML events for external reporting and customer notification framework.

Moved development team into agile methodology, including test-driven design and pair programming. Examined literature and mined online resources for best practices to t**ransfer knowledge to team**. Created development infrastructure for team moving from VB to Java, including SCM (CVS, later Subversion), IDE investigation and adoption, standalone testing framework built on JUnit for data-intensive processes and screening of all tools and libraries used in product. Created classes for team to learn Java and object-oriented development.

Other duties: created flexible **code generation framework** to easily transition between different object persistence scheme; worked with clients to provide **large scale data import** and migration services from mainframe to modern RDBMS; installed, administered and **customized J2EE issue management tool**; performed Linux system administration tasks.

3/1998-11/2000   **Senior Internet Developer**
                        intes.net, Silver Spring, MD
Founding member of fast-growing, dynamic application development and network solutions integrator in metropolitan Washington, D.C. area. Focused on web application development using perl/Apache/mod_perl coupled with different SQL databases and worked with clients to develop fully realized solutions for their problems.

Developed an object-oriented **web application framework** (OpenInteract) with robust data abstraction tools, developer-friendly API, and easily extensible architecture. It takes care of services such as user and group management, consistent object and task security, and themes for presentation. Implemented for clients a number of applications running under the framework.

Other duties: **Created more than a dozen websites** and implemented many applications (large and small) using both CGI and mod_perl to interface with SQL databases; built a self-sufficient **banner ad management system** to serve, administer and report on ads; developed tool for editing a **company-wide LDAP** address book along with mailing list functionality; **constructed SQL databases** using multiple products on different platforms, including MS SQL Server and Sybase Adaptive Server Anywhere on NT 4.0 Server; MySQL and Sybase ASE along with SQL Remote asynchronous data replication on Linux; **administered Linux servers** at various locations, onsite and remotely. Set up services including Samba, OpenLDAP, sendmail, POP3 and IMAP daemons, majordomo, SSH and tcpwrappers security, PPP connections, and NAT gateways.

2/1997-3/1998   **Webmaster**
             IREX, Washington, DC
Created Intranet site that provided centralized information for 80+ employees in DC headquarters and 50+ people throughout former Soviet Union. Database integrated 600+ flatfile databases with 40,000 contacts into relational model; platform used Sybase SQL Anywhere database accessed by Perl and ODBC over IIS; client used extensive Javascript for rich experience.

Maintained the company website which served existing customers, sold the company's story to government funding organizations and attracted new participants to programs. Implemented public products database with simultaneous Russian/English search and display capabilities.

8/1995-2/1997   **Writer/Webmaster**
             Community Transportation Association of America, Washington, DC
Engineered three websites, one a finalist in worldwide competition. **Wrote Perl CGI programs** for users to search and enter information into a transportation events calendar and links database, register for CTAA events and order publications, and display timetables created on-the-fly from raw data.
Taught transit professionals to use the Internet and its potential benefits to their systems.

Other duties: **setup internal TCP/IP network** and connected Mac/PC office to Internet via shared ISDN line; **maintained Netware server** plus all workplace desktops; **wrote and edited articles** for *Community Transportation Reporter* (10,000 circulation; 9/year) and other technical reports, primarily on technology issues.

8/1993-8/1995   **Transportation Planner**
             Montgomery County Planning Department, Silver Spring, MD
Editorial member of planning teams that covered regional areas of the 800,000+ person county.
Wrote and edited master plans, policy guidelines and memos presented to the five-person Planning Board, and created multimedia presentations for Board, public, and staff.
Earned a performance award in 1994 for teamwork and overall excellence. **Worked with citizen group** to plan long-term transit goals.

8/1992-6/1993   **Research Assistant**
             Institute of Public Policy, George Mason University, Fairfax, VA
Edited papers and performed research for political sociologist Seymour Martin Lipset. Adapted short speech into article published in *American Sociological Review*. Helped edit chapters in <u>Jews and the New American Scene</u>, co-authored with Earl Raab.

EDUCATION

B.A., History (minor in Computer Science), University of Pittsburgh, 1992

EXTRACURRICULAR: OPEN SOURCE

OpenInteract: creator and primary contributor to pure-Perl, multi-platform, database-independent application server with easily distributable applications (50+ KLOC)

SPOPS: creator and main contributor to pure-Perl object persistence package that works with multiple data sources, including different SQL databases, LDAP, GDBM, XML, and more. (20+ KLOC)

Creator and maintainer of CPAN pattern-oriented modules **Class::Factory** and **Class::Observable**, an embeddable process engine **Workflow**, and a database test support library **DBD::Mock**.

EXTRACURRICULAR: PRESENTATIONS

6/2004, YAPC::NA 2004	Building Applications with OpenInteract2 (three-hour tutorial)
5/2004, Pittsburgh PM	Building a Simple Application with OpenInteract2 (30 minutes)
3/2004, Pittsburgh PM	Introduction to Testing with Mock Objects (30 minutes)
11/2003, Pittsburgh PM	Introduction to Class::Observable (30 minutes)
10/2003, Pittsburgh PM	Introduction to SPOPS (45 minutes)
6/2003, YAPC::NA 2003	Generating Java with Perl (20 minutes)
2/2003, Pittsburgh PM	Creating a Template Toolkit Plugin (20 minutes)
6/2001, YAPC::NA 2001	Introduction to OpenInteract (45 minutes)
6/1999, YAPC 1999	Perl and Databases (45 minutes)

EXTRACURRICULAR: MEMBERSHIPS

Association for Computing Machinery, (1999-current)
Pittsburgh Perlmongers, current active member
DC Perlmongers, founding member and organizer (1998-1999)