

## Open Source Work

**Greasemonkey scripts** – most deal with looking up Amazon items at local libraries:  
<http://userscripts.org/users/2388>

### Firefox Add-ons:

CheckFox – Improves checkbox functionality.  
<https://addons.mozilla.org/en-US/firefox/addon/2393>

DenverLibPlus – Improves Denver Library website.  
<https://addons.mozilla.org/en-US/firefox/addon/3105>

## Experience

### *Senior Software Developer*

Comcast/Guideworks

Englewood, CO

October 2004-August 2009

- Wrote back-end applications making use of Java, Spring, Hibernate and Tomcat. The application was responsible for servicing search requests from a set-top box.
- Wrote back-end applications. One to ingest XML data via JAXB and insert into Oracle, the other to construct extra metadata in XML and place files on a server component written by a business partner.
- Wrote various utilities, some in Java Swing, to help facilitate the tasks of both developers and testers in interacting with our special binary format and the server components.
- Toolsets included, but not limited to: Eclipse, Junit, Ant, CVS, Subversion, Cruisecontrol, Quickbuild, Korn shell and Ruby scripting.

### *Software Developer*

InsightAmerica (acquired by Acxiom)

Broomfield, CO

February 2003-October 2004

- Extended/maintained large Java system. Added Web service capability to the app. For more details on this app, see the e-infodata.com entry below.
- Designed and built another large threaded Java application. This application was designed in a way to be flexible, data-driven & modular. It was also tuned to get the maximum performance out of it. This system replaced an older system, scaled much better and completed batches (in some cases, >100x) faster than the system it was made to replace.
- Installed FreeBSD and configured it to provide a Wiki, a blog, a Jabber server, IRC, and Bugzilla.

### *Software Developer*

Nutros.com, LLC

Golden, CO

January 2002-August 2002

- Converted pages and objects from SilverStream to work with JSP/Servlets on Tomcat in a UNIX environment (FreeBSD/Linux). Put together a build process using Ant to do pushes to development, QA, and production. Also, various IT tasks as needed: email system, NT/2000 tasks, backups, network troubleshooting.

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**Software Developer**

AMI Visions, Inc.

Lakewood, CO

October 1998-November 2001

*Internal projects - including outdoorintel.com, August 2001 - November 2001*

- Converted a content management application from Coldfusion/IIS/MS SQL Server to LAMP (Linux/Apache/MySQL/PHP).
- Using Apache, FreeBSD, ImageMagick, MySQL, and mod perl, this project presented fishing maps to the user. PowerDesigner was used to maintain the database schema.
- Wrote an app using Java, PHP, Apache, Postgres and FreeBSD to monitor hosted sites.

*Onsite at www.einfodata.com (Boulder, CO) May 2001 - August 2001*

- This project fulfilled incoming XML requests by querying sources via methods such as FTP, HTTP, and Telnet, and returning XML responses. Project was done using Java (JBuilder) and SQL Server.

*Onsite at www.nutros.com (Lakewood, CO) February 2001 - May 2001*

- Added/changed/approved database changes as needed (MS SQL Server).
- Wrote AuthorizeNet credit card approval module, built pages for website, and wrote flexible emailing system using templates, all written in Java on SilverStream.

*Internal project, January 2001 - February 2001*

- Worked on generic J2EE module to do credit card authorization.

*Onsite at www.authentor.com (Englewood, CO) July 2000 - December 2000*

- Wrote up requirements, and did some basic UML on new components as necessary.
- Assisted in building a Java GUI using Visual Cafe, and wrote C/C++ DLLs to be used via JNI.

*Internal projects: frogmagic.com and buychoice.com, September 1999 - July 2000*

- Did server-side programming (EJB) in SilverStream.
- Assisted in gathering requirements and building specifications, as well as database design.

*Onsite at www.corlogic.com (Boulder, CO) October 1998 - September 1999*

- Fixed bugs in a legacy PowerBuilder application. Improved/updated C code.

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**Software Developer**

The Byrnes Group

York, PA

April 1996-September 1998

*Onsite at Corning-Asahi (State College, PA) April 1996 - September 1998*

- Wrote applications to interact with real-time data on a production line. The applications were built with PowerBuilder.
- Worked on database design, stored procedures, and tuning queries (Oracle).
- Wrote a Perl script to assist in configuration management.
- Wrote C code to provide integration between new system and old system.

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**Software Developer**

Technical Services Associates, Inc.

Mechanicsburg, PA

November 1994-April 1996

- Developed a client/server purchasing package using PowerBuilder and did site installs.
- Maintained a C program built for UNIX and VMS systems.
- Responsible for development instances of Oracle and Informix databases.

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**Education**

Pennsylvania State University  
Bachelor of Science in Computer Science, May 1994

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**Certifications**

*Sun Certified Java Programmer*, December 1999  
*SilverStream Certified Programmer*, May 2000  
*SAIR Installation and Configuration*, March 2001  
*SAIR System Administration*, September 2001