

# Aaron Calder

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## Education

### **Bachelor of Science, Computer Science, 2017, Weber State University, Ogden, UT**

Studied software management, software engineering, object oriented design, scripting, assembly, operating systems, system architecture, web page design, cryptography, and digital logic. Miscellaneous projects include a Java puzzle game engine (so far running Tetris and Columns), an audio player (coded in C), a Sudoku solver (also in C), and [www.aaroncalder.com](http://www.aaroncalder.com).

## Three Years Professional Experience

### **Redbell Real Estate - Database Developer / Junior DBA**

Designed and implemented system to acquire, format, organize, and store real estate data for use by real estate appraisal software. The system retrieved MLS (Multiple Listing Service) data from remote systems using RETS (Real Estate Transaction Standard), FTP, and database login. Utilized Microsoft technologies including SSIS, T-SQL, C#, Visual Basic and Excel. Coded user functions, stored procedures, table creation, bulk inserts, views, keys, constraints, triggers, photo storage and indexing, database backup and restoration, and custom T-SQL unit tests.

### **Spillman Technologies - Software Developer**

Converted Perl generated jail inmate arrest reports for Spillman's Jail software. Updated CPerl to query C-Tree Database and programmed XSL-FO to generate arrest report PDFs.

### **Overstock.com - Junior Software Developer**

Developed applications for retail and auction web sites in a Linux development environment. Fixed communication errors in system interfacing with UPS to generate shipping labels for returns; added new bar codes to these labels. Created website allowing customer service to add and edit subscription plans for auction sellers. Improved and debugged various applications: invoicing, retail website user interface, internal applications, customer service applications, email system, build automation, unit testing, and password hashing.

## Technical Skills

- Java, C, C++, Perl, POSIX shell (sh), Bash, C#, Visual Basic, Python.
- PHP, HTML5, CSS3, JavaScript (ECMAScript), HTTP, XML, JSP, JSON.
- J2SE, J2EE, .NET, JQuery, Bootstrap, LAMP, Struts, Hibernate, MVC, AJAX, JUnit, CPPUNIT.
- SQL Server, Oracle Database, MySQL, SQLite, C-Tree, SSIS, T-SQL, PL/SQL, OCI, Pro\*C.
- GNU/Linux, Windows, Windows Server, FreeBSD, and Android.
- Git, Subversion, CVS, Source Safe, and Mercurial.
- Vim, Visual Studio, Eclipse, IntelliJ, Android Studio, SQL Server Management Studio, Toad, Tora, Excel, Visio, Jira, Virtual Box.
- maven, apt-get, dpkg, yum, cpan, npm, pacman.
- awk, sed, grep, tr, find, rsync, dd, gcc, gdb, make, ssh, rsync, wget, curl.