

## Ethan L. Schreiber

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**OBJECTIVE** Professional with 7 years industry experience with strong database skills currently working on a doctorate in computer science looking for part time contracting work (1099 and W2 both OK). While part time is ideal, can be flexible to fit the needs of the company.

**EDUCATION** University of California, Los Angeles, PhD Computer Science (Artificial Intelligence - Search), September 2007 Ongoing  
Brown University, Providence, RI Sc.M Computer Science, August 2006  
Vassar College, Poughkeepsie, NY BA Computer Science, May, 1999

**EXPERIENCE**

*Independent Contractor* November 2006 - September 2007  
Jane Street Capital New York, NY

- Worked on redesigning and streamlining the profit and losses (P&L) database in PostgreSQL with a small existing team.
- Aggregated multiple data sources in inconsistent formats intended for human, not computer usage mostly using Perl.
- Improved automated processes for keeping the databases current at the end of each day.
- Supported the quantitative analysis and trading groups with any P&L queries they may need. This involved writing PL/pgSQL (similar to PL/SQL) functions,
- Learned the basics of the financial domain necessary quickly on the job including for example symbology, options, futures, mergers acquisitions, splits etc.

*Lead Software Developer / Consultant* October 2004 - August 2005  
Boyle Software onsite at Columbia House New York, NY

- Designed a relational database model storing all of the companies product data.
- Migrated two legacy mainframe databases to this new database.
- Built a web application for administering the data in the new database. This included the Spring MVC framework, Hibernate object relational model, domain model design and jsp front end.
- Built a data feed to populate the old mainframe databases from the new database for the near term until all other Columbia House systems are migrated to use the new database.
- Worked with directors, project managers and end users to gather requirements for the new database and web application.
- Wrote functional and technical specifications for the project.

*Senior Software Developer* March 2003 - June 2004  
Condé Nast Publications New York, NY

- Working with production and editorial teams, designed and implemented concierge.com and style.com. They were both completely replatformed from scratch in the time I was at Condé Nast. I gathered requirements, wrote specifications, architected and implemented applications for these sites.
- Designed and maintained the database schemas.
- Migrated the data from a legacy xml source repository, generating new xml to store in the content management system.
- Wrote a content deployment program to parse the xml in the content repository usin into JavaBeans domain objects.

- Designed and implemented the object relational mapping, object caching and domain model.

*Software Developer*  
eMeta Corporation

August 1999 - August 2002  
New York, NY

- eMeta was a successful information commerce company since acquired by Macrovision. Helped build the company from a 5-person startup in 1999 into an award winning e-commerce software development company purchased for a significant value.
- Web Based Administration Interface - Responsible for gathering requirements, developing specifications and leading a team of developers in the development of a web interface to our enterprise server through an RMI API that I developed. The interface utilized Servlets to implement a command pattern. The pages were displayed using html, CSS and JavaScript. The interface is currently used at over 25 large publishing houses and used simultaneously by hundreds of customer service representatives administering millions of users and thousands of publications. It has been the largest selling point for the software and continuously gets rave reviews.
- Swing-Based Administration Interface - Provided the same functionality as the web-based interface only through a heavyweight GUI. It is also scalable to the same level as the web interface. It was designed using Swing layout managers and communicated with the server through the same RMI API.
- Commerce Offer System - Offers publications under different terms based on who you are, where you are coming from and what you are requesting.
- Licensing System - Contains the core business logic determining if an end user has access to a specific part of the web site. It is highly configurable to customers needs. It supports dynamically loaded plug-in modules to allow for custom code implemented using reflection. The processing time of this system was streamlined using a system of LRU caches.
- Reporting System - Tracked, analyzed and reported how customers utilized the clients web sites using SQL to analyze database logs.

**COMPUTER SKILLS**

*Java:* J2EE, Servlets, JDBC, Spring, Hibernate ORM, Swing, JSP, Struts et al.  
*Other Languages:* C++, C, Matlab, Perl, LISP, Scheme, Ruby (rails)  
*Databases:* Oracle, Sybase, SQL Server, MySQL, DB2, PostgreSQL, PL/pgSQL  
*Application/Web Servers:* Apache, Websphere, Weblogic, Tomcat  
*Other:* Cplex, Latex, Graphviz, Visio (UML), Erwin, CVS, Clearcase, Interwoven, Eclipse, Test Director, CUDD  
*Platforms:* Linux, Solaris, Windows, MacOS  
 (I know lots of other technologies as well and can learn any I do not.)

**EXTRA-CURRICULAR ACTIVITIES**

Swing/Salsa dancing  
 Drumming  
 Baseball Basketball Running Bicycling Weightlifting Soccer