

MARNEN E. LAIBOW-KOSER

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skills

programming, markup, databases

C, C++, CoffeeScript, ColdFusion (CFML), CSS, DDS, Haml, HTML/XHTML, Java, JavaScript, Lisp (MCL), Mathematica, MongoDB, Perl, PHP, RPG, Ruby, Sass/SCSS, shell scripts (ksh, bash), SQL (MySQL, PostgreSQL, Microsoft Access, Microsoft SQL Server, SQLite), TypeScript, XML, XSL, BASIC, HyperTalk.

operating systems

Linux (Red Hat, Ubuntu), Mac OS (all versions), MS-DOS, OS/400, System/36, Unix (AIX, Darwin, HP-UX), Windows (all versions).

Mac OS software

Adobe GoLive, Adobe Photoshop, Assimilator, Atom, Diffly, Director, FileMaker Pro, Finale, GitX, KomodoEdit, Mathematica, Microsoft Office, Microsoft Project, mySQL Tools, NeoOffice, Panorama, Power*Architect, RealProducer, Solo, SourceTree, SublimeText, svnX, TextWrangler, WordPerfect, Xcode.

Windows & MS-DOS software

Apache, BeyondMail, CalendarMaker, Client Access/400, ColdFusion Studio, FileMaker Pro, HomeSite, IIS, Lotus 1-2-3, Lotus Notes, Microsoft Office, Microsoft Project, Network Scheduler, OpenOffice, WordPerfect.

OS/400 & System/36 software

DFU, SEU, MarkMagic, NCS Professional, Query/400.

Linux & Unix software

Apache, Applix, Emacs, Git, ksh, Nginx, OpenOffice, Subversion, vi.

languages

Fluent in German, excellent knowledge of French, some knowledge of Spanish, Italian, Japanese, Russian, Hebrew, Esperanto.

relevant experience

This résumé contains programming and technical experience. For musical experience, please see http://www.marnen.org/resume_m.pdf.

July 1998–
present

Thunderbird Productions

Randolph, Massachusetts

Freelance developer creating complex Web applications with Ruby on Rails, PHP, ColdFusion, JavaScript, CoffeeScript, MySQL, and PostgreSQL databases. Also designed and created static websites and produced graphics and streaming audio. Creator and primary developer of Quorum Calendar System (<http://quorum2.sf.net>); other open-source contributions available at <http://github.com/marnen>.

March–
September 2021

BLDUP

Boston, Massachusetts

Senior Rails developer on business-to-business application for construction industry. Introduced test-first development practices and implemented API for matching records to real-world locations.

October 2020–
January 2021

Distiller (independent consultant)

Seattle, Washington

Senior Rails developer for niche social network. Developed and maintained user-facing features; refactored large parts of codebase for long-term maintainability.

February–
September 2017

Torchlight

Burlington, Massachusetts

Senior Rails developer on portal for caregivers to special-needs children and elderly relatives. Responsibilities included working with contractors and in-house junior developers to improve development practice and increase maintainability.

July 2015–
February 2017

One Door (formerly RBM Technologies)

Boston, Massachusetts

Senior Rails and Ember developer on retail merchandising management application. Responsibilities included helping to improve development practice on team of about 15.

May–July 2014

District Management Council (consulting for Vesume Group)

Boston, Massachusetts

Senior Rails developer on staffing management application for public school districts.

June–July 2013

Medullan (consulting for Jobspring Partners)

Cambridge, Massachusetts

Initiated Rails development effort for medical IT consultancy, including assisting with Rails training of existing developers and creating Rails development guidelines.

March–
November 2012

Teladoc (consulting for Artsource Consulting)

Greenwich, Connecticut

Rails developer for telemedicine application built with service-oriented architecture. Created system for exporting medical billing information to EDI 837 claims, as well as secure message center for patients to communicate with doctors and nurses.

September 2011–February 2012	Crowdtap Rails and MongoDB developer on fast-paced agile team maintaining backend of unique social marketing application; also integrating Spree-based e-commerce solution through OAuth and building an API for Spree to consume.	New York and Albany, New York
March–June 2011	Benchmark Solutions Rails and JavaScript developer for real-time financial data application in Extreme Programming environment, using MySQL, jQuery, RSpec, Jasmine, Raphael, and Git.	New York, New York
March 2010–March 2011	American Express Publishing (consulting for Manpower Professional) Rails/Microsoft SQL Server developer, maintaining high-profile public-facing websites including http://www.travelandleisure.com (13 million page views per month).	New York, New York
January–February 2008	Vita Rara Web developer for major vertical-market application, using Java, Struts, JSP, MySQL, and JBoss on Linux and Mac OS X.	Troy, New York
June–November 2007	Reflexions Data (consulting for RHI Technology) Senior Web developer, designing and implementing backends for Web applications with LAMP technologies, JavaScript (including Ajax), Mootools, and Fusebox.	White Plains, New York
February–September 2006	SoftWaveMedia/Zsys Solutions ColdFusion/MySQL developer for radio advertising broker. Achievements included: <ul style="list-style-type: none"> • introducing and supporting Fusebox framework, including customizing open-source Fusebox documentation tools, • creating automated Web-based invoice system with XML integration and fuzzy matching, • writing Perl and shell scripts to import millions of records from flat files into MySQL. 	Irvington, New York
November–December 1999	New World Technologies (independent consultant) ColdFusion developer in e-commerce environment. Designed and implemented Web-based solution for editing large Microsoft Access database of products and clients, and maintained program generating product information sheets from this database. Also maintained programmers' documentation engine on corporate intranet.	New York, New York
January–March 1999	Omni-Services Corporation (consulting for Supra Data Systems) ASNA 400 RPG programmer on IBM System/36. Maintained and provided technical support for custom financial reporting programs, including distributing updates of these programs for installation at branch locations.	Culpeper, Virginia
December 1996–May 1998	Metric and Multistandard Components (consulting for Donald J. Simons Associates) Member of team working to increase automation of warehouse and sales department using RPG on AS/400 and System/36. Duties included: <ul style="list-style-type: none"> • maintaining PCs, AS/400 workstations, AS/400 fax system, bar code equipment, and other hardware, • implementing bar-code-based package tracking and identification system, including writing narrative descriptions of current and planned procedures, • maintaining and documenting shipping, purchasing, and tracking programs, • creating, performing, and reporting on comparative tests of hardware and software, • working with developer of corporate website on searchable database of products. 	Hawthorne, New York

education and related accomplishments

January 2013–December 2014	New England Conservatory of Music M.M. (with academic honors) in Contemporary Improvisation. Major teachers included Hankus Netsky and Ran Blake.	Boston, Massachusetts
June–July 2010	University of Vermont/Wolfram Research Student at New Kind of Science Summer School, a course in cellular automata and similar complex systems; final research project modeled musical form with string substitution systems (see http://bit.ly/nks2010mlk). Faculty included Stephen Wolfram and Todd Rowland.	Burlington, Vermont