

Craig B. Ludington

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Summary

Systems, applications, and network programming on a variety of platforms. Strong Unix, Ruby, Common Lisp, C++ and C background. Excellent analytical and design skills. Experienced in all phases of software development life-cycle.

Computer Skills

Languages: Ruby, Common Lisp, C++, C, SQL, TCL/TK,
Lex, Yacc, Awk, Korn and Bourne shells, Perl,
Bash, Python
Operating Systems: Unix (Solaris, Sys V, HP-UX, OSF1, SunOS,
Linux, BSDI), OS/2, DOS

Experience

Senior Software Engineer, Enova Financial, Chicago, IL 6/2008 - Present

- Developed software in Ruby on Rails for an on-line lender's public-facing web site.
- Implemented credit-models, fraud detection strategies, and helped create a new product line in an international market.
- Specified and coded an API for third-party selling our service.

Director of Technology, onShore Development, Chicago, IL 6/2002 - 3/2007

- Directed development and customer support for the flagship product, a web-based resource scheduling application written in Common Lisp.
- Responded to customer requests for stability by coalescing the customizations for nearly a hundred installations into a single three-month release cycle.
- Architected and developed a Lisp web framework that gave rise to two new product lines.

Consultant, ABN/Amro, Chicago, IL 12/1999 - 12/2001

- Ported two large C++ systems, one to a different financial class library, another from a C-Front based compiler to an ANSI compiler.
- Architected and data-modeled a system for daily pricing a set of idealized representative trades.
- Wrote software in C++, TCL, Java, Perl and Python.

Consultant, CCC Information Services Inc, Chicago, IL 7/1999 - 11/1999

- Developed internet applications for the automobile insurance industry.
- Wrote software in C++ and Perl using Sybase and RedBrick databases and MQ Series middleware.

Consultant, ABN/Amro, Chicago, IL 3/1999 - 7/1999

- Wrote lots of intranet applications on Linux and AIX with Perl and MySQL.
- Enhanced Freetds (open source implementation of the proprietary TDS protocol) so a MySQL database on Linux could talk to a SQL Server database on Windows NT.

Consultant, WebPromote Inc, Vernon Hills, IL 10/1998 - 3/1999

- Implemented a mail transfer agent in C for processing bulk mail lists based on a finite state machine representing multiple concurrent network conversations.

- Consultant**, First Chicago Bank, Chicago, IL 3/1998 - 9/1998
- Converted a Btrieve database on MS-DOS to Oracle on Solaris using C++, SQL, and some creative reverse-engineering.
 - Created a network library for MS-DOS for moving structured data back and forth between DOS and Solaris.
- Consultant**, onShore Consulting, Chicago, IL 2/1998 - 3/1998
- Developed a web security administration system for onShore's client, Motorola.
 - The Perl CGI software gave administrators document access control at a per-user or per-group per-document level.
- Consultant**, Open Port Technology Inc., Chicago, IL 1/1997 - 10/1997
- Developed software to send faxes in volume over the internet or telephony with a least-cost routing algorithm.
 - A team of five delivered a five million dollar product in six months (sold to, and paid for by, UUNET).
 - Designed and implemented the core multiplexing protocol library.
 - Implemented a high-performance trie database for storing faxes.
- Consultant**, Blue Cross Blue Shield, Chicago, IL 8/1996 - 1/1997
- Designed an EDI system for receiving doctor's reports and routing to an MVS system.
- Consultant**, Metropolitan Fiber, Oakbrook Terrace, IL 3/1996 - 8/1996
- Wrote a database conversion in C++.
 - Wrote software to transfer orders via NDM to and from other phone companies.
- Consultant**, PRC Public Sector, Chicago, IL 1/1995 - 2/1996
- Developed RF communications software for portable equipment for the Chicago police and fire departments.
- Consultant**, Motorola Cellular Infrastructure Group, Arlington Heights, IL 6/1994 - 1/1995
- Developed tools for cellular telephony engineers in C++ with Informix.
- Programmer**, System Software Associates, Chicago, IL 9/1992 - 6/1994
- Part of a small team that ported AS/400 RPG and DDS software to HP-UX, writing a compiler with and Yacc that emitted ANSI C.
 - Hand-rolled the lexical analyzer in C (Lex doesn't help with columnar programming languages).
- Programmer**, Policy Management Systems Corporation, Columbia, SC 1/1991 - 9/1992
- C programmer in OS/2 with Presentation Manager.

Interests

- Year-round bike commuter – also enjoy an occasional 100 to 150 mile ride.
- Musician, serious about clarinet, also play violin and cello.
- Design, build, and upholster furniture at a master level.
- Enjoy chess.