David Elins
Consultant

Burlington, MA - Email me on Indeed: indeed.com/r/David-Elins/7dd79075c101f723

Innovative software developer with a proven track record developing new and creative products and systems and enhancing legacy systems. Adept at quickly learning and applying new languages, tools and systems to achieve strategic and tactical company objectives.

Proficiencies: Imaging, Printing, Networking, Graphics, Color Science, Operating Systems,
Embedded Systems, Computer Language Development,
Multi-threading and Process Synchronization, Mathematical background

Skills:Analysis and Design, Algorithm Development, Research, Leadership, Communications, Mentoring and Teaching, Problem Solving

Technologies Used: C, C++, Assembly Language, Java, Linux, Unix, VMS, Windows
Shell scripts, Perl, Awk, Excel, Word, SQL,
TCP/IP, Various Source Control systems, MS Visual Studio
Willing to relocate: Anywhere
Authorized to work in the US for any employer

WORK EXPERIENCE

Software Engineer
JP Morgan Chase - Salem, NH - January 2015 to June 2017

Maintained and enhanced a system for managing credit cards and electronic payments

Senior Software Engineer
VMTurbo, Inc. - Valhalla, NY - July 2014 to January 2015

Responsibilities
Software development for virtual machine deployment architectures.

Skills Used
Java, Eclipse, Subversion, Linux,Windows, Reviewboard, Bugzillla

Consultant
SonomedEscalon - Stoneham, MA - 2011 to 2012

Modified and upgraded software used in measuring blood glucose levels.
• Technologies: C, C++, Linux, SVN, GNU automake.

Senior Developer
Conexant Systems, Inc - Waltham, MA - 2008 to 2010

Developed embedded firmware for the Poscript page description language (PDL) on ARM architecture.
• Contributed to a system for supporting multiple PDL's embedded on a single chip.
• Technologies: C, C++, Windows, Visual Studio, ThreadX, Scripting tools.

Technical Team Leader

Accuro Healthcare Solutions   -   Billerica, MA - 2006 to 2007

Team Leader responsible for development and maintenance of software used in Medicare reimbursement calculations.
running on diverse platforms and operating systems.
• Managed updating of existing products and investigation of new products.
• Technologies: C, C++, Assembly Language, Windows, Unix, Linux, Perl, Scripting tools.

Software Engineer
Sungard/Bancware   -   Boston, MA - 2006 to 2006

2006
• Developed enhancements to financial software used for forecasting.
• Technologies: C++. Windows, SQL Server, Perforce, C++ Test.

Consultant
The TJX Companies   -   Westborough, MA - 2005 to 2005

2005
• Designed and developed conversion programs and networking facilities to implement company specific customer identifier.
• Designed and developed TCP/IP socket routines, XML/SOAP parser, web service interface.
• Technologies: TCP/IP, Sockets, Multi-threading, Process Synchronization, C, Unix, Windows.

Consultant
Hewlett-Packard   -   Nashua, NH - 2001 to 2003

Part of the VMS Operating System development group.
• Created language processing and system utilities for Intel's Itanium IA-64 architecture.
• Contributed to the design of the linker for Itanium VMS.
• Technologies: VMS, Unix, Linux, Windows, Shell scripting, C, C++, Bliss, Assembly Language.

Senior Software Engineer
Foliage Software Systems   -   Burlington, MA - 1999 to 2001

Developed and implemented large, web-based systems for tax payment and registration.
• Acted as principal resource for UNIX and Trusted Solaris operating systems.
• Designed and implemented device drivers for microchip inspection and fabrication.
• Technologies: Solaris, Trusted Solaris, Unix, Linux, NT, C, C++, Java, Shell scripting, Oracle, Mercator, Visual Basic, Visual Studio, Visual Source Safe.

Consulting Software Engineer
Xionics Document Technologies   -   Burlington, MA - 1988 to 1999

Responsibilities
Made major contributions to an embedded Postscript language interpreter.
• Developed and improved color-space interpolation and half-tone (tiling) algorithms.
• Project Leader for the Postscript Development Team.
• Contributed to the implementation of Postcript memory management.
• Implemented Jetsend, HP's device-to-device protocol layered on TCP/IP.
• Technologies: C, Assembly Language, Solaris, Windows, Soft-ICE, Awk, Shell scripting.

Consultant
Avid Parking Systems   -   Cambridge, MA - 1992 to 1997

Responsibilities

Avid Systems was a startup developing proprietary garage entry-control machinery based on vehicle tag recognition, similar to systems currently in use on superhighways.
The system was deployed at MIT, in several major airports and at some public parking facilities.
• Designed multi-threading and message-passing objects used to implement the system.
• Designed and implemented back-end programs to manage garage access.
• Designed and implemented serial protocol software.
• Designed and implemented database and accounting routines.
• Designed and implemented hardware control routines.

Principal Software Engineer

Catalytix Corporation   -   Cambridge, MA   -   1986 to 1988

Catalytix developed tools to assist C language developers.
• Implemented a C language interpreter, a language trainer, and a memory usage analyzer.
• Designed and implemented a system to allow run-time (dynamic) linking of interpreted C language programs and pre-compiled object modules/libraries.
• Wrote a large library of routines to expedite the development and porting of C programs from UNIX to VAX/VMS.

Senior Software Engineer

NEC Information Systems   -   Acton, MA   -   1985 to 1986

Implemented UNIX on NEC equipment (68000 based).
• Reviewed and corrected Unix operating systems code.

Senior Software Engineer

Spinnaker Software   -   Cambridge, MA   -   1983 to 1985

Spinnaker developed and marketed educational computer games.
• Developed and implemented a system to convert artist-generated images to computer animations for use in games.
• Developed low-level support routines for use in gaming processors.

Consulting Software Engineer

Digital Equipment Corporation   -   1978 to 1983

Designed and implemented workflow control system.
• Developed and supported medical imaging technology.
• Designed and implemented portions of the Mumps language.

EDUCATION

Master's in Computer Science
Boston College

B.S. in Mathematics
University of Michigan

Antioch College

SKILLS

Analysis and Design, Algorithm Development, Research, Leadership, Communications, Mentoring and Teaching, Problem Solving, C, C++, Assembly Language, Java, Linux, Unix, VMS, Windows Shell scripts, Perl, Awk, Excel, Word, TCP/IP, Various Source Control systems

LINKS

http://www.intricate-simplicity.com