

Eric Fried

Software Architect and Engineer

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Mr. Fried has been architecting, designing, and implementing enterprise-level software for the majority of his 16 years in the Information Technology industry. He specializes in synthesizing end-user requirements into crisp functionality, with a razor focus on precision, usability, and performance. His shrewd innate business sense, high level of attention to detail, and excellent verbal and written communication skills complement his technical abilities.

Software Language Skills

Expert in C, Perl, ksh/bash scripting.

Fluent with Java (non-GUI), RDBMS, ODBC, SQLs, and markups (HTML, XML).

History with pre-.NET server- and client-side web scripting (VBScript, PHP, JavaScript).

Formal education includes C++, assembly, Lisp, Pascal.

Education

The University of Texas at Austin

Computer Sciences BS (2003), BA (1999)

GPA: 3.7 overall, 3.9 major

Intellectual Property Achievements

U.S. Patents issued:

7,921,170 Method for virtual electronic mail address generation and usage

7,895,571 Method and apparatus for resolving client-side logic

7,814,561 Managing device access in a software partition

7,792,941 Method and apparatus to determine hardware and software compatibility related to mobility of virtual servers

7,673,052 Policy algorithm for selection of compatible systems for virtual server mobility

7,496,444 Near route interactive map search

7,478,386 Resource-conservative installation of compressed archives

Chinese Patent issued:

ZL200710167474.5 Shortcut IP communications between software entities in a single operating system

32 U.S. and six international patents pending.

37 intellectual property publications.

IBM Austin Master Inventor

Inducted in 2010.

AIX Patent Review Board

Member since 2006.

Chair since 2007.

Natural Languages

English (Native)

French (Fluent)

Spanish (Moderate)

German (Basic)

Outside Activities

Shaolin-Do Kung Fu (Black Belt, First Degree).

Brasa Brazilian Jiu Jitsu (White Belt, Second Stripe).

2006 Freescale Austin Marathon Finisher.

Home Auto Repair (1988 F-150, 1995 F-350).

Guitar (20+ years of idle dabbling).

Father of Four.

Career History

International Business Machines, Austin, TX	June 2003 to date
Cluster-Aware AIX Native Unix clustering infrastructure. Userspace architect and team lead. Advisory Software Engineer (Band 8). <ul style="list-style-type: none"> ▪ Led the team in architecture, design, code, and test coordination for userspace commands & APIs to achieve project milestones and facilitate general availability of Fall 2010 releases of AIX 6 and 7, PowerHA SystemMirror (formerly HACMP), and Virtual I/O Server (VIOS). ▪ Acted as champion & advocate for Agile development processes. ▪ Facilitated adoption of Rational tools: <ul style="list-style-type: none"> ○ Implemented BuildForge automation including build, install, test, CScope, and Doxygen. ○ Deployed Team Ensemble and Rational Team Concert. ○ Led team in ClearCase pilot and transition to ClearQuest (first in AIX). 	October 2008 to date
AIX Workload Partitions (WPAR) Software-based virtualization of Unix OS instances. Userspace architect and team lead. Staff Software Engineer (Band 7). <ul style="list-style-type: none"> ▪ Assumed team leadership role and became the "go-to guy" for all WPAR commands and libraries. ▪ Maintained fluid and effective relationships with cross-functional teams, including kernel, file systems, system management, and test; in the U.S., Toulouse, Haifa, and Bangalore. 	March 2005 to October 2008
AIX Install Applications Automated service update downloader. Generic and native installation components (geninstall, installp). Software engineer (Band 6). <ul style="list-style-type: none"> ▪ Was a primary designer and developer of SUMA (Service Update Management Assistant). ▪ Executed extensive defect and feature work against generic and base install component software. 	June 2003 to March 2005
Corporate Community, Inc., Austin, TX	January 2000 to November 2002
Web-based service procurement for the legal market. Chief Technology Officer, Director of Programming. <ul style="list-style-type: none"> ▪ Led design and implementation of all aspects of the software: ▪ Headed the technical department and Austin office. ▪ Procured, installed, configured, and managed enterprise hardware and software tools. ▪ Recruited, interviewed, hired, and trained new technical talent. 	
Database City, Austin, TX	September 1998 to December 1999
Database-to-Web applications for small to medium businesses. Software developer. <ul style="list-style-type: none"> ▪ Analyzed client business requirements on a per-project basis to gain knowledge of software needs. ▪ Developed, alone and as part of small teams, database-to-Web applications to satisfy customer needs, meeting or beating deadlines and customer expectations. ▪ Authored software libraries, significantly reducing time spent on repetitive coding activities. 	
Open Microsystems, Inc., Austin, TX	Summer 1996, Summer 1997 to September 1998
Unix tape and disk array storage drivers and software. Junior tester/developer. Co-op/Intern. <ul style="list-style-type: none"> ▪ Developed automated regression testing applications in C, Unix shell, and Perl for device driver and backup software verification. ▪ Performed testing and verification. ▪ Wrote software and process documentation, streamlining future development and testing efforts. ▪ Performed other duties, such as office organization and physical device management, as required. 	
The Morrisby Organisation, Hemel Hempstead, United Kingdom	Summer 1994 and 1995
Psychometric assessment for career and education choice Junior developer. Data entry intern. <ul style="list-style-type: none"> ▪ Developed prototype interactive psychometric assessment infrastructure in Multimedia Masterclass. ▪ Assisted in bulk data entry and conversion. 	