STEVEN M. MURPHY

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SUMMARY OF QUALIFICATIONS & EXPERIENCES

• Experienced, award winning programmer and software engineer

- 30+ years of programming experiences, building solutions using 30+ programming, and scripting languages. History of completing large projects on-time, and within budget.
- 20+ years of Unix/Windows administration experience.
- 0 10+ years of management experience, in various roles: sales, marketing, support, and QA
- Company representative in international Standardization projects for CAECO, Motorola, and E-Tools; Authored, reviewed & implemented large, complex standards with fully conforming tools.
- 2006 Tenzing Norgay Interoperability Award to E-Tools for my one-man open-source project, "Liberty Parser".
- Trained engineers and programmers in Linux administration, programming, source code control & methodologies, etc, in Rwanda and Russia.
- Developer, tester, and support engineer for dozens of new products and solutions, generating millions of dollars of revenue.
- Managed/authored software projects/solutions ranging from 10K-300K+ lines of source in a variety of different programming languages
- **Product, Solutions, and business development research analyst, exploring** Public Key Infrastructure, cheap telecommunications, and VOIP technologies in Africa.
- Open Source project contributor and participant in the to Kinyarwanda (Rwanda) translation Coordinator, Asterisk, several others.
- Fluent in English, Conversant in German

IT & COMPUTER LANGUAGES, SYSTEMS

C, C++, Java, PHP, Perl, Tcl, Forth, Basic, Pascal, Modula-2, Fortran, Cobol, PL/I, Algol, Expect, Scheme, Common Lisp, Emacs-Lisp, Prolog, APL/360, Assembler for several different CPU's, Shell script, Python, Javascript, and dozens of other formats, eg. Sendmail CF format, sed, gawk, Makefile, Csh, regex, etc. Tools: gdb, gcc, bison, yacc, flex, MS VC++ IDE, Bonjour/mDNS, MySQL, SQLite, etc. Operating Systems: SunOS, Solaris, HPUX, AIX, VAX, DOS, MacOS, IBM, Linux (RedHat, Ubuntu, Debian, Fedora, and others).

PROFESSIONAL EXPERIENCE

2009-2010ParseTree CorpSoftware Developer, Consultant, President

Various small projects doing new product development for various companies, anywhere from financial transaction gateway interfacing to internationalization/localization systems for PBX related projects, web sites, etc. Research for possible Air Force contracts, etc.

Cody, WY

2006-2009 Digium, Inc

Huntsville, AL

Sonoma, CA

Software Developer, Consultant

- One of the team working on Asterisk, a PBX core for PC's running Linux. Significant performance increases introduced, bug fixes, new features, etc. Presentations at Astricon and AstriDevCon Conferences. Was laid off in March due to the recession.
- Plus: Various private consultant jobs. Embedded web servers (gumstix), web sites, site visits to solve problems, etc.

1992-2005 **Electronic Tools Company**

Vice President of Engineering, VP of Technology, Chief Technology Officer

- Developer: Parser and database for EDIF 3.0.0 with the Estudio suite and toolkit nucleus and Mentor DA plugins
- Author: Mentor Graphics Design Architect EDIF 300 translators, schematic and netlist
- Authored and submitted SI2DR procedural interface based on CFIDR
- Formed the ESIread, ESIwrite, ENIread, and ENIwrite packages on Solaris, HPUX, AIX, expanded to into Windows NT and XP environments. Maintained these for over 10 years.
- Developed informal edaXML standard with readers and writers, in a very short time period; they are/were used for expressing exlectronic design library information.
 - External development projects for other companies
 - Liberty Parser for Synopsys (example) (2006 Tenzing Norgay Award winner) 0
 - Provided continuous maintenance 0
- Business research and development engineer and analyst; develop business plan for hightech businesses in Rwanda, Africa in the realms of Telecommunications, VOIP phone exchanges, PKI and national ID cards.
- Co-managed groups in Rwanda and Russia, providing leadership and training.

1988-1992 Motorola Semiconductor

Austin, TX

Software Engineer and Programmer, Microprocessor Development

- Represented Motorola at standards meetings
 - Chair of the EDIF Schematic Technical Subcommittee 0
 - CAD Framework Initiative; one of Motorola's MCC reps.
- Developed EDIF translators for CAECO schematic capture software
- Designed and built schematic place-and-route applications for drawing custom complexgate circuits

1983-1988 CAECO

Orem & Midvale, UT

Programmer & Applications Engineer

- Defined and developed the SDF (Symbol Definition Compiler)
 - Superset of C, an object-oriented language
 - Results: designed intelligent objects could change appearance and function 0 depending on their connections
- Represented CAECO at EDIF standards meetings and generating EDIF products & Solutions
- Applications Engineer in supporting Sales and Solutions Teams
 - Provided demos and customizations in various locations including Japan 0
- Customer support engineer
 - On-site problem analysis through implementation of solutions 0

EDUCATION

BS in Electrical Engineering, Brigham Young University, 1985
Minors in Math and Computer Science.
Mission, Church of Jesus Christ of Latter Day Saints, Munich, Germany, 1979-1981

PROFESSIONAL MEMBERSHIPS

Institute of Electrical and Electronic Engineers (IEEE) Association for Computing Machinery (ACM) Computer Society

REFERENCES: Available on Request

INVOLVEMENTS

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- EDIF Schematic Technical Subcommittee Chairman, 1987-?
 - Boy Scouts of America-(involvement spans over 20 years)
 - o Scoutmaster in Utah, Texas, and Wyoming.
 - District Chair, several other roles.
- Free Software Projects—Several! Asterisk, Bison/flex, gdb, etc.
- Hobby projects—GEDCOM, Genealogy editor, database merge utility, TIGER data viewer, web page email obfuscation, software defensive weapons, email spam filtering, educational, geometric puzzle solving.