Matthew Fisher

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Overview of Qualifications
- Individual contributor and technical leadership roles within larger development organizations
- Demonstrated ability to learn new skills and apply them to meet project goals
- Small business owner w/experience managing client relationships
- Technical project planning & project management experience
- Broad systems engineering and software development process background
- 15+ years experience specifying, designing, and implementing software programs
- Programming languages: C, C++, C# (WinForms),VBA (Excel), ARM assembly
- Web technologies: PHP, XHTML, CSS,
- Database technologies: MySQL, MS SQL Server
- Development environments: Microsoft Visual Studio, Adobe Dreamweaver, Eclipse
- Strong oral and written communication skills, enjoy writing

Work Experience
Alverity, LLC, Durham, NC (February 2006 – present) www.alverity.com
- Founder and principal of a small contract development business; managed successful projects for multiple clients (http://www.alverity.com/index.php/site/index/clients)
- Adept at learning new skills/technologies to meet the demands of client projects
- Responsible for all legal, financial, marketing, sales, and client relationship aspects of running a small business
- Technical work:
  - *Small Business Storefront* (http://www.alverity.com/index.php/site/index/sbs) – developed Alverity's flagship web application, a PHP/MySQL Content Management System application that enables individuals and small businesses to establish an e-commerce presence on the web
  - *Website designs* – created websites for various small businesses and individuals
  - *VxWorks XMLRPC driver development* – ported open source XMLRPC-C library to VxWorks/C; created XMLRPC client code to serve as the inter-process communication link between two blade computers
  - *SQL Server Database system audit* – assessed the technical integrity of a client's data warehouse system; presented recommendations to management
  - *Portfolio analysis software development* – provided substantial software subcontract work to a client, developing C# and Excel VBA portfolio analysis tools that include significant Windows Forms UI and business logic components
  - *C# development* – supplied additional development resource for a client's existing hosted internet enterprise resource planning system; implemented C# front-end and SQL Server back-end features within client's existing framework

Tekelec, Morrisville, NC (April 2001 – February 2006)
- Senior Software Engineer: Responsible for maintenance and new design of OS and driver-level software for both in-house and commercial operating systems (VxWorks); led three-year, seven-person software team in requirements-to-integration development of all firmware resident on a new ARM-based blade; authored the first draft of an in-house textbook supplying much-needed documentation of a critical proprietary technology

FlashPoint Technology, Inc., Durham, NC (December 1999 – February 2001)
- Software Engineer: Responsible for the re-design and maintenance of several software subsystems, each of which governs an aspect of digital camera operation

Troxler Electronic Laboratories, Research Triangle Park, NC (October 1998 – November 1999)
- Software Group Leader: Responsible for technical development, project leadership, and implementation of the 68HC11-based real-time embedded software for an asphalt furnace; management oversight of four-person software engineering staff; instituted formal software configuration management and software requirements analysis processes

Allen Telecom, Lynchburg, VA (July 1997 – September 1998)
- Software Design Engineer: Responsible for all aspects of diagnostic and test software development for the IS-136 Cellular Base Station

General Dynamics Defense Systems, Pittsfield, MA   (June 1991 – June 1997)
- Senior Software Design Engineer: Software project co-leader of a six-person team responsible for the development of a new VME subsystem for the TRIDENT II Fire Control System

Additional Information
- Author of "Protecting Binary Executables", <u>Embedded Systems Programming</u> magazine, February 2000
- Motivated self-studier; completed online courses to enhance SQL, PHP, XHTML, CSS, and database development skills

Education
- M. Eng. E. E., May 1994 - Rensselaer Polytechnic Institute, Troy, NY
- General Electric's Edison Engineering Program – 1993 graduate
- B.S.E.E., May 1991 - Rensselaer Polytechnic Institute

References available upon request