

Matthew L Fischer

Experienced Software Engineer

1012 Deer Creek Ln • Fort Collins, CO 80526 • (970) 988-1563 • hireme@mattfischer.com

Experienced, versatile software engineer; Diverse set of past projects ranging from firmware, kernel work, user-space apps, and web apps; Loves new challenges and learning new technologies; Experience managing software projects and managing customer expectations.

Programming Languages

C, C#, C++, PERL, vbscript, PHP, Flex, shell scripts, IA-64 Assembly, Java

Work Experience and Achievements

Expert Software Engineer

2008-Present

Hewlett-Packard, Fort Collins, Colorado

- Design and build the Linux image and kernel for a small NAS server, including patch management, testing, and build processes (C, shell scripts, PERL)
- Write NAS management software, including thermal/fan management code and drive space allocation (Java, Javascript, C)
- Port pieces of HP's previous revision of MediaSmart software from Java to .NET C#.
- Create and manage the system restore process for HP's next generation MediaSmart servers (C#)
- Create a media management and offloading solution for HP's Media Smart Servers (C#, SQL, vbscript)

Achievements:

- Created a restore process for HP's MediaSmart server that reduced hardware costs and improved unit margin.
- Successfully completed four product releases in HP's MediaSmart and Data Vault product lines.
- Rescued HP's media management project one month before release was due from an offshore team.

Software Engineer

12/2004-2008

Hewlett-Packard, Fort Collins, Colorado

- Managed the delivery of HP's IA-64 hardware validation tool to partners and external customers.
- Owned the low-level hardware monitor portion of SHML's hardware validation and diagnosis tool.
- Implemented support for all new HP server platforms in the hardware monitor.

Achievements:

- Successfully managed the delivery of SHML's next generation hardware validation tool without interrupting HP's server manufacturing operations.
- Ported the hardware monitor to a new platform three months ahead of schedule using the hardware simulator.

Software Engineer (Kernel)

1999-2004

Richardson, TX and Fort Collins, CO

- Participate in various HP-UX kernel projects on HP's IPF (IA-64) platform. This includes the full new platform/product lifecycle.

Achievements:

- Wrote various pieces of HP-UX 11i 1.5 and 1.6, including clock and interrupt management code, event timers, energy saving code (low power mode), many defect fixes and several patches.
- Wrote the hardware discovery and management code for HP's first server running dual-core CPUs

Education

Masters of Engineering in **Engineering Management** - University of Colorado

Bachelors of Science in **Computer Science** – University of Missouri-Rolla

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