

Stephen K. Hess

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Objective

To apply my experience and knowledge of computer science in a team atmosphere by successfully designing software and data models to solve current industry problems

Education

MS Computer Science, New Mexico Institute of Technology, December 2003, GPA 3.90

BS Computer Science, The Pennsylvania State University, May 1999

Professional Experience

Senior Applications Developer

February 2004 – Present

Pedra, Doylestown, PA

- Design, engineer, and maintain content management systems for a variety of websites
- Establish language-independent foundational object model for use with all new projects
- Attend client meetings to draft requirements and specifications
- Construct data models in concert with functional requirements
- Devise and implement email bounce-back processing tool

Graduate Research Assistant

September 2002 – December 2003

ICASA, Socorro, NM

- Researched multi-node data collection and distribution mechanisms for pilot project
- Assisted in architecture and engineering of other components of pilot project
- Designed and implemented agent-based visualization applications
- Applied proprietary knowledge-extraction research and development

Technical Director

March 2001 – September 2002

sn.com, Bryn Mawr, PA

- Designed and implemented data and application models
- Led development team of 5 technical employees and contractors
- Participated in monthly client meetings with regard to technical and logistical decisions
- Oversaw and enforced software development process to eliminate refactoring costs
- Designed deployment strategy for network booting and remote file systems
- Mentored and supervised system administrators on Linux conversion

Applications Developer

June 2000 - March 2001

sn.com, Bryn Mawr, PA

- Assisted management in authoring technical specifications
- Researched and recommended algorithm usage
- Performed feasibility analysis and implementation of data models
- Authored web applications in a variety of languages

Web Consultant

January 2000 – June 2000

Breakaway Solutions, Inc, King of Prussia, PA

- Developed applications to perform monitoring and maintenance tasks
- Internationalized existing e-commerce websites and using ASP and JScript
- Modified document-generating Web application for enhanced statistics

Associate Software Engineer

June 1999 – January 2000

Lockheed Martin, King of Prussia, PA

- Maintained and administered Application Insulation Layer (AIL)
- Served as AIL Point of Contact for division of 120 programmers and testers
- Participated on 3 AIL code compliance boards

Programmer/Cofounder

April 1997 – June 1999

Lion Technologies, Red Lion, PA

Architected and implemented multi-threaded telephony application in Visual C++

Authored dynamic websites in ASP

Assisted in sales calls and client meetings

Activities

Member of ACM, IEEE

**Technical
Competencies****Databases** Oracle 8i/9i, SQL Server 7.0 and 2000, PostgreSQL**Languages** Java/JSP, C/C++, Visual Basic, PL/SQL, Perl, ASP, PHP, HTML**OS Platforms** Windows 2003/2000/NT, Linux**Networking** Ethernet, TCP/UDP, DNS**Clearances**

Obtained TS/SCI clearance while working for Lockheed Martin, 09/99

Personal

Enjoy soccer, racquetball, picking the banjo, traveling, kayaking, and photography

References

Available upon request