

## Brian M. Fiegel

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Objective: To obtain a senior level software engineering position which allows me to contribute my technical skills and expertise to the entire software lifecycle, while offering the opportunity for expansion to new technologies.

### Computer Experience

- Languages: C/C++, Perl, Ruby, Visual C++, Java, Visual Basic, PHP, SQL
- Operating Systems: Linux/Unix, Windows XX
- Engineering Software: Rational Rose RealTime, Rational ClearCase, Subversion, CVS, Altera Max\_PlusII, PSPICE, B^2 Logic, Pads Perform

### Professional Experience

*Buoyant Technologies, Inc.* Columbia, MD

- Oct '05-present Principal Consultant
- Maintain and Develop customer relationships
  - Engineer Linux based applications in C/C++
  - Develop Linux kernel drivers
  - Implement enterprise automation scripts

*ThingMagic, Inc.* Cambridge, MA

- Feb '05-Oct '05 Project Engineer
- Engineer Linux based RFID reader systems in C
  - Develop and Maintain Linux kernel drivers for the Intel XScale processor
  - Interview new candidates
  - Maintain and extend the reader API
  - Provide customer training on product usage

*Affiliated Computer Services* Rockville, MD

- Oct '02-Feb '05 Senior Software Engineer
- Sep '00-Oct '02 Software Engineer
- Design/Develop/Debug/Deploy Linux/UNIX-based toll lane control systems in C/C++
  - Team lead for lane software development
  - Develop and Maintain Linux kernel drivers
  - Interface to third party devices, e.g. RFID readers and touchscreens
  - Port existing UNIX based lane system for a new Linux based "McDonalds" implementation
  - Provide on-site support to installation and maintenance teams

*Lockheed Martin Corporation* Fairfax, VA

- July '98-Sep '00 Associate Applications Software Engineer
- Develop and Debug Linux/UNIX-based toll lane control systems in C
  - Utilize GSS-API for network "Single Signon On" implementation
  - Coordinate and Assist customers with problem resolution

*Zefex.com* Las Vegas, NV

- Feb '00-Dec '03 Senior Developer
- Administer Linux servers
  - Design, Implement and Debug Housing Suite software package for West Virginia Wesleyan College
  - Interface with customers for feature implementations
  - Extend and Maintain database driven, web content management system

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### *Personal Computer Classroom Operations* Amherst, MA

Sep '94-May '98 Technical Consultant

- Design client/server tool for computer lab management using Java
- Design and Implement Competency-Based Testing Suite in Perl
- Develop and Maintain Unix shell scripts

### *DDI Advanced CAD Solutions* Haverhill, MA

Jun '95-Sep '96 PCB Design Intern

- Create printed circuit board designs and library components
- Administrate LAN and web presence

### Related Experience

- Assisted in the construction of a 28 node/58 CPU Beowulf cluster running in an IBM BladeCenter environment (Johns Hopkins University)
- Implemented small SMB server along with VPN and VNC to facilitate a "work from home" policy (Civic Works)
- General system administration in a mixed Windows and Linux network (Johns Hopkins University)
- Web Applications in PHP with a PostgreSQL and MySQL back-end
- Open Source software development

### Education

University of Massachusetts Amherst

- Bachelor of Science in Computer Systems Engineering with honors
- Degree Granted: May 1998
- Departmental rank: 2/38; GPA: 3.62 *cum laude*

### Professional Education

Virginia Polytechnic Institute and State University

- Network Application Design
- Design with Hardware Description Languages
- Enabling Technology for E-Commerce

Johns Hopkins University Applied Physics Laboratory

- Compilers