

# Eric Masson

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**Objective** I am seeking a new opportunity to express my skills as a technical business professional. I have spent the past several years working as a software developer; however, my skill set is fairly diverse and I am looking to expand upon my interests as a developer, IT professional, or other related opportunities.

**Experience** Lead Software Developer  
Savant Protection, Inc. Hudson, NH (2004 – present)

As an employee of Savant I have been instrumental in the development of the product. We have been a small team with no more than three developers at any given point including myself and a QA / Support engineer. Much of my time at Savant has been spent doing the actual implementation of the product using mostly C for the client program, and PHP / AJAX for the server program, although I have had strong involvement in the design and feature specification.

- Developed a proof of concept for a kernel-based security product for Linux.
- Studied feasibility of porting the solution to other platforms
- Productized the proof of concept into both a Windows and a Linux product
- Designed and elaborated upon features requested from product management
- Delegated tasks to other developers and assisted with code reviews and debugging
- Assisted QA wherever necessary to find and eliminate bugs
- Maintained our source control, CVS to start with, later transitioning to SVN
- Maintained our bug tracking system Mantis
- Maintained our backup system
- Maintained our network
- Assisted with customer related bug reports and issues
- Assisted in several sales situations
- Developed an enterprise management system for the product
- Developed and maintained backup scripts for the development server
- Assigned static IP addresss where necessary and configured DHCP

Relevant technologies / skills:

GTK, C / C++, MFC, PHP, Javascript (with AJAX), WinDBG (Debugging tools for Windows), Windows DDK for driver development, Linux Kernel development, CVS, Subversion, Mantis, Linux System Administration, Visual Studio, Agile software development, model / view / controller, TCP / IP socket programming, SSL programming via OpenSSL, Debugging, Networking, DHCP, MySQL, Microsoft SQL, SQL query development and optimization, algorithm optimization

### Linux Systems Administrator

T & L Electronics Derry, NH (2004 – present)

T & L Electronics is the company of one of my colleagues who is trying to start his own hosting business. I have been assisting him in the maintenance of his servers for the past several years. We've gotten it mostly to a turnkey operation where we get e-mails with logs which we will both scan through looking for suspicious activity, and will keep up to date with operating system patches and upgrades, in addition to some of the CMS system security patches.

- Part-time volunteer position, free hosting for compensation
- Maintained operating system patches on a Gentoo based DNS Server and a Ubuntu based web server
- Monitored system event logs for suspicious activities
- Audited hosted sites for security vulnerabilities
- Resolved network related issues

Relevant technologies / skills:

Configuration of Apache, Postfix, Courier IMAP, Maia mailguard, Horde, DNS, DHCP (for home network), rkhunter, denyhosts, network configuration

### IT Services

Alida Connection Nashua, NH (2001 – 2004)

Alida Connection was an IT Services company. I worked part-time while I was attending school. My largest project was the implementation of a technical assistance tracking tool which was about a six month project mostly during the summer of 2003. The requirements and specification were set by the customer and I implemented the program using VB with Microsoft SQL and XML/XSLT. The rest of the time was spent mostly maintaining existing websites and assisting with development of new sites.

- Administered an IIS server with several websites
- Fixed some bugs on ASP websites
- Assisted with planning and development of several PHP based websites
- Assisted in the planning and design of a technical assistance tracking tool
- Implemented this tool using Visual Basic and Microsoft SQL
- Provided IT services for several small customers
- Assisted in development of training materials for Windows XP
- Studied materials for Microsoft Certified Professional exams

Relevant technologies / skills:

Customer assistance, ASP, PHP, MySQL, Microsoft SQL, Visual Basic, XML/XSLT, Software Development, Linux System Administration, Windows System Administration, network troubleshooting

ResNet Consultant

UNH ResNet Durham, NH (2001 – 2002)

ResNet is a campus organization which assists users with computer problems. Issues are reported into a database where they are assigned to consultants in the area of campus. I did very well with ResNet, I had a fairly steady stream of issues assigned to me and resolved them in a timely fashion.

- Assisted students with PC related issues

Relevant technologies / skills:

Customer service, problem determination / troubleshooting

Education  
and  
Certifications

Bachelor's Degree, Computer Science

Westminster College, Salt Lake City, UT (2002 – 2004)

- Graduated cum laude 3.6 GPA
- Connected well with students, worked well in groups, enjoyed the small class size

Comptia A+ Certified (Spring 2001)

Some College Coursework, Computer Science

University of New Hampshire, Durham, NH (2000 – 2002)

High School Diploma

Pelham High School, Pelham NH (1996 – 2000)

- Graduated 6<sup>th</sup> of 130
- Received technology and mathematics awards
- President of American Technology Honor Society for 2 years
- Assisted with the adoption of PowerPoint as a teaching tool – via example