

# Boris Varshavsky

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- Summary:** Recently retired Software/Firmware Engineer experience in design and development of Networking, System, and Application software, with expertise in embedded data-communications software. Excellent interpersonal skills.
- Systems:** *UNIX* in various flavors, Embedded Linux, Eclipse, Integrity/GHS, VxWorks, Simics, Microsoft Visual Studio, GNU Emacs, SVN, git, ClearCase, SVN, CVS, JIRA
- Languages:** *C/C++* (proficient); Experience with: Postgres SQL, Unix shells, Perl, PHP, Java, C#, Assemblers x86..i960 (MRI Toolkit),
- Networking:** IEEE 802 LANs, TCP/IP, SNMP, RADIUS, ATM
- Hardware:** Unix/Windows/MacOS workstations, embedded PowerPC, Intel x86, Intel 960, AMC XICE and Metrowerk' PowerTAP in-circuit emulators, various network lab equipment (Ixia, SmartBits, RADCOM, Net2Net), Inmos Transputer T800

## Work Experience

◆ **Raytheon Company**  
Tewksbury, MA  
*Sr. Software Engineer*

**Mar 2019 – Feb 2021**

Developing firmware for real-time embedded systems under VxWorks/Workbench.  
Occasional shell programming under Linux.

◆ **Great Bay Software, Inc.**  
Portsmouth, NH  
*Sr. Software Engineer*

**2016 – 2018**

As a member of core Engineering Team worked on company's flagship product for IoT market: *Great Bay Network Intelligence Platform* (fmr. *Beacon Endpoint Profiler*). Implemented various backend features in the mix of C/PostgreSQL/Perl/PHP/bash/XML, using FreeBSD/Eclipse/SVN development and production environments. Examples of personal released features/projects:

- Duplicate MAC and MAC Spoofing detection
- Adding curl-based email feature for event reporting
- Developed and implemented digitally signed product license key mechanism (generation/embedding/verification)
- Factory profile back-end collection improvement

◆ **Software Forge, Inc.**  
Portsmouth, NH  
*Software Engineer*

2014 – 2016

- Development of wide spectrum of Windows and Linux applications for SFI's clients.
- Design of specialized low-level software tools for Intel CPUs, including Linux kernel module (Fedora). Cross-platform development in Eclipse and C# applications in MS VS.
- Doing several projects simultaneously I did manage to keep deadlines firm and customers happy.

◆ **Elbrys Networks, Inc. / Meetinghouse Data Communications,**  
Portsmouth, NH  
*Firmware Engineer*

2005 – 2014

- Developed and maintained firmware for various subsystems in HP Networking' switching and wireless product lines, with special emphasis on CLI / Config / SNMP.
- Provided full life cycle software development, covering three different roles at times: new code development, software maintenance and SQA.
- Worked in embedded Linux (ubuntu), Integrity and VxWorks environments as a member of Agile/Scrum team.

◆ **Enterasys Networks, Inc. / Cabletron Systems, Inc.,** Rochester, NH  
*Firmware Engineer III*

1993 – 2005

- From 1999 actively participated in the firmware development for company's newest enterprise-class switches (*Matrix N-series, SmartSwitch 2200 & 6000*): embedded CLI, MIBs, SNMP agents, various platform components.
- Designed, developed and maintained several components for Cabletron's ATM devices (both modular and standalone). Participated in industry-wide ATM Interoperability Tests: *UNH* (Durham) and *Interphase* (Dallas); Successfully resolved design and multivendor issues on customer sites.

**Education:**

VxWorks/Tornado Toolset Training Workshop -- Wind River, Inc.  
Course in Advanced C++ Programming -- Technology Exchange Co.  
Advanced course work in Network Design -- St.Petersburg State University, Russia  
M.S. in EE / CS -- University of Telecommunications, St.Petersburg, Russia

**Relocation note:**

*At this time I don't consider relocation.*

*The search area: Seacoast NH and adjacent areas of MA/ME only.*