Ben A. Mendis

Silver Spring, MD

ben@mend.is   +1 301-244-8678

https://github.com/Sitwon

CAPABILITIES

- **Programming Languages:** Scala, Java, Python, Bash, C, XSLT
- **OS Administration:** Linux, Solaris
  - **Linux Distros:** Slackware, Ubuntu, RHEL, Debian, Gentoo, OpenWRT
- **Networking:** 802.11, TCP/IP, Netfilter/iptables, mesh routing
- **Security Tools:** Wireshark, Nmap, OpenPGP, PKI

PROFESSIONAL EXPERIENCE

Software Engineer, Novetta Solutions, April 2015-present
McLean, VA

- Extended the distributed processing and management capabilities of a legacy Python application.
- Added RESTful APIs to Django project.
- Designed and developed a new backend service using Flask for the RESTful interface and Git for the content storage, as part of a new product to assist teams of analysts.
- Wrote provisioning scripts for a Vagrant-based development environment.
- Developed integrations between our network analytics product and 3rd party tools.

Software Engineer, GetWellNetwork Inc., March 2013-April 2015
Bethesda, MD

- Maintained a custom Linux distribution for a DVR-like set-top box.
- Team lead on security, kernel config, custom initramfs, crashkernel scripts, install/update/uninstall utilities, virtualization, and networking.
- Responsible for monitoring 35k+ systems which are installed in hospital rooms throughout the US.
- Co-developed the reporting system for monitoring the health of deployed systems, and developed tools to assist in statistical and analytical analysis of the raw report data.

Sysadmin/Software Engineer/Product Support, Antenna House Inc., November 2007-March 2013
Kensington, MD

- Supported integrations using C, C++, COM, Java, .Net (C#, VB.Net), and scripting languages.
- Engineered part of Boeing's purchase order system. About 1500 lines of Java.
- Led the design and development of a visual regression testing tool, in Scala, which is now a commercial product offering.

Board of Directors, HacDC, February 2011-2015 (**Member since 2009**)
Columbia Heights, DC
- Served in various positions, including President.
- Led the design and development of Project Byzantium, a Linux live distro that enables rapid deployment of a mesh network in emergency situations such as natural disasters. Presented talks at security and technology conferences, and was interviewed by NPR, Slashdot, and others.
- Taught an introduction to Computer Science class covering NAND gates to operating systems.

Senior Product Engineer and CSO, TAP Innovations LLC, November 2009 – February 2011
Alexandria, VA
- Engineered a security-hardened, live-bootable re-spin of Ubuntu Linux.
- Developed a methodology for securely updating the read-only OS.
- The distribution passed a security assessment conducted by Securicon LLC.

Information Technology Expert, Innove Technologies LLC, March 2006 – December 2009
Kensington, MD
- Provided expertise in areas of wireless networking, security, and Linux administration.
- Developed the Wi-Fi Printing System and Wi-Fi Web 2.0 Portal.
- Developed and maintained plugins for the Openfire XMPP Server.