Michael R. Dempsey

bluestealth@bluestealth.pw   Seattle, WA   (571) 308-9167

Work Experience

Full Stack Developer	**Operation Brush, NPO.**	February 2015 - June 2015

Las Vegas, NV

- Created a mobile friendly responsive website using Bootstrap and jQuery.
- Used an Arch Linux Docker Container to host the Node.js backend application that handled payment processing and web serving.
- Used Nginx as a reverse proxy to terminate https sessions and load balance between docker containers as well as cache static content.
- Used https and browser security policy configuration to protect donor's information in transit.

Software Engineer	**Northrop Grumman Corp**	November 2012 - August 2013

McClellan, CA

Airborne Hardware
- Tracked down and fixed a bug originating in the embedded C/C++ networking code from a user bug report of an issue with our desktop java client.

Network Tools
- Worked on a project utilizing Java, Python, Jython, and Ptolemy to produce information about nodes in a computer network by simulating l2/l3 behavior on generic hardware from captured configurations.

Hardware Simulation
- Worked on a project utilizing Java, Python, and C to simulate an airborne sensor. Worked on improving build scripts and integrating code for a multiplatform release.

Healthcare Website
- Worked on a project utilizing Java and Struts framework to provide a healthcare website and user management interface. Worked on code that would interface with third party companies and government agencies while protecting personally identifying information from exposure.

Network Technologist	**Raytheon Corporation**	August 2011 - September 2012

Research Triangle Park, NC

- Monitored the Environmental Protection Agency's national network and various datacenters which serves about 15,000 users.
- Worked with server administrators and customers to isolate and fix issues in the network.
- Worked with network security team to track down and eliminate network threats.
- Designed and implemented changes across the EPA's network.
- Created and debugged shell scripts to automate deployment of configurations to Cisco Routers and Switches and gather network statistics.
- Maintained a lab environment to test network and server configurations.

Network Administrator	**Swisscom Hospitality Services**	October 2005 - May 2007

Dulles, VA

- Managed Swisscom North America's Windows Domain.
- Deployed and maintained applications on Windows and Linux.
- Assisted users both on-site and off-site users with various technical issues.

Education

George Mason University, Volgenau School of Engineering	May 2011

Bachelor of Science, Computer Science

George Mason University, College of Science	May 2011

Bachelor of Science, Applied Mathematics and Physics

Computing Skills

Operating Systems:	Extensive experience on Arch, RHEL, and Debian Linux
	Experience on Solaris and other Unixes
Computer Languages:	Extensive experience with C, Java, Matlab/Octave
	Experience with JavaScript, Python, Ruby, C++, TCL/Expect, HTML, CSS
Databases:	SQLite, mongoDB, PostgreSQL
Frameworks:	Bootstrap, Node, Rails
Tools:	Docker, Git, Qemu, Ant, VMware