

Paul Woolcock

Specialties: Understanding and Maintaining complex systems, Learning new languages

Languages: Java, Groovy, Python, Javascript, Rust, Go

BS in Computer Science from the University of Michigan-Flint

Experience

October 2015 - Present *Software Engineer - Integrations at Tenable Network Security* (Columbia, MD) - (REMOTE).

Developed services using Java & Groovy for tenable.io

Wrote in various languages to integrate 3rd-party services with Tenable products.

Aug 2015 - October 2015 *Senior Software Engineer at Barracuda Networks* (Ann Arbor, MI).

Wrote Perl, Javascript, Erlang and Go building the Barracuda Appliance Control, the central management service for Barracuda appliances.

July 2012 - Aug 2015 *Software Engineer at Barracuda Networks* (Ann Arbor, MI).

Wrote Perl, Javascript, Erlang and Go building the Barracuda Appliance Control, the central management service for Barracuda appliances.

September 2009 - July 2012 *Web Software Developer at the University of Michigan-Flint* (Flint, MI).

- Implemented a custom Events Management system using Python.
- Implemented a Python API wrapper for the campus Course Catalog API.
- Implemented a custom e-commerce solution using PHP and Javascript
- Developed Java/XSLT components for an Autonomy/Interwoven CMS used on campus.
- Implemented a Microsoft SharePoint 2010 system across campus, and held training sessions for users.

February 2009 - September 2009 *Student Web Software Developer at the University of Michigan-Flint* (Flint, MI).

- Developed a mobile version of the campus Faculty/Staff phonebook using jQuery mobile.

- Helped develop an interactive campus map using the Google Maps API.
- Provided training and support for an Autonomy/Interwoven CMS.

June 2008 - August 2009 *Helpdesk Technician at Genesee County Community Mental Health* (Flint, MI).

- Provided desktop support to the staff of GCCMH both over the phone and in person.
- Assisted in the setup and imaging of new agency computers.
- Performed basic Active Directory administration.

Skills

Software Engineering

- Expert in Perl, Python, and Javascript.
- Fluent in Erlang, Go, and PHP.
- Proficient in C, Java, Clojure, and C++.
- Experienced with web development frameworks like Django, Flask, and Laravel.
- Experienced with testing frameworks like Nose and JUnit.
- Experienced with version control systems such as Git and Mercurial.
- Experienced with CI systems like Jenkins and Travis CI.

Web Development

- Have developed applications using Backbone.js, and have dabbled with Ember.js and Angular.js.
- Fluent in developing cross-browser, W3C standards-compliant websites and web applications.
- Proficient in using external APIs such as those provided by Facebook, Twitter, and Google.

Systems Administration

- Familiar with configuring Linux distributions such as Red Hat Enterprise Linux, CentOS, Debian, and Ubuntu.
- Experienced in administrating web servers such as Apache2, Nginx, and IIS, as well as WSGI application servers like Gunicorn, uWSGI, and mod_wsgi.
- Experienced with in-memory data systems like Redis and Memcached.
- Experienced with setting up and administrating MySQL and PostgreSQL databases.
- Experienced with build systems such as GNU Make and CMake.
- Experienced with using Puppet and Ansible to automate deployment.

Education

April 2012 *BS in Computer Science at the University of Michigan-Flint* (Flint, MI).

Concentration: Software Engineering Minor: Mathematics

For Senior Capstone project, designed and wrote an iPad/iPod-based hospital “Call Button” system.

May 2005 *BA in Music at Alma College* (Alma, MI).

Concentration: Classical Guitar

Open Source

My open source work can be found on my github account at <https://github.com/pwoolcoc>

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