# 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*](https://www.tenable.com) (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*](http://www.barracuda.com) (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*](http://www.barracuda.com) (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*](http://www.umflint.edu) (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*](http://www.umflint.edu) (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*](http://gencmh.org) (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*](http://www.umflint.edu/) (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*](http://www.alma.edu/) (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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