# Paul Woolcock

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Specialties: Learning new languages, Understanding and Maintaining complex systems
Languages: Python, Perl, Javascript, Rust, Go
BS in Computer Science from the University of Michigan-Flint

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## Experience

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

Wrote in various languages to integrate other 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.

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- 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](https://github.com/pwoolcoc)

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