

# Paul Woolcock

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Specialties: Understanding and Maintaining complex systems, Learning new languages

Languages: Java, Groovy, Python, Rust, Javascript, 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).

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 Java, Groovy, Python, and Javascript.
- Fluent in Rust, Erlang, Go, and PHP.
- Proficient in C, Clojure, and C++.
- Experienced with web development frameworks like RESTeasy, 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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