

# Alexander Laties

245 Manhattan Avenue  
Apt 5B  
Brooklyn, NY 11211  
Phone: 267 825 2530  
Website: <http://alex.laties.info/>  
E-Mail: [alex@laties.info](mailto:alex@laties.info)  
Github: <https://github.com/alex-laties>

## Education

Fall 2007 - Spring 2010  
University of Pennsylvania School of Engineering  
Majored in Computer Science.

- Learned some theory
- Implemented a CPU, an OS shell, and some sweet buffer overflows
- Dropped out due to health reasons.

## General Purpose Software Developer

I'm general purpose programmer who has worked on building, maintaining, and scaling services. I have no strong language preference. I have reasonable experience with Ruby, Python, and Golang. I have experience with larger IDEs, such as Visual Studio, MonoDevelop, and XCode, but claim no great proficiencies.

I have worked with teams in an agile style to quickly deliver features and products. I have worked with ticketing systems, such as Jira and Trello, to manage work loads. I have worked with source control systems, like Subversion and Git. I have experience with Test Driven Development through the use of unit tests.

I have contributed some code to open source projects like Bottlepy, watchwithme, and pyrollbar.

I like attempting to automate my home in my free time.

## Work History

January 2016 - February 2017

Uber Technologies, LLC.

Network Engineer

- Worked for the UberATG effort.
- Implemented and maintained an IPAM system with Collins and phpIPAM.
- Implemented and maintained a metrics and alerting system for network devices and services using Prometheus and alertmanager.
- Implemented and maintained a serial port based initial configuration system for Juniper switches with golang.
- Triaged, diagnosed, and solved mission critical flaws in systems, networks, and deployments.

April 2014 - December 2015

Tumblr, Inc

Site Reliability Engineer

- Worked with Ruby and Puppet to maintain internal services.
- Maintained an HTTP loadbalancing layer implemented with haproxy and nginx.
- Maintained an HTTP caching layer implemented with varnish.
- Improved availability of services through anycast with OSPF + bird and quagga.
- Stress tested the HTTP loadbalancing layer with load generators vegeta, siege, apib, slowloris.pl, and hping3.
- Improved in-memory credential management across Ruby, Python, and PHP services with a C++ library and wrappers.

March 2012 - October 2013

Voxy, Inc

Software Engineer

- Worked with Django on Python 2.7 to maintain a web application and mobile API.
- Built prototypes for internal CRMs.
- Built a new mobile API stack in Bottle.
- Set up loadbalancing for web and mobile stacks using haproxy and pacemaker.
- Set up and wrote initial recipes for Chef provisioning service.
- Also dealt with PostgreSQL, MongoDB, Varnish, Celery, Redis, uwsgi, gunicorn, and nginx.