

William Prin

1390 Market St, San Francisco CA • waprin@gmail.com • waprin.io • [LinkedIn](#) • [GitHub](#) • [Twitter](#)

EXPERIENCE

Google, San Francisco CA - *Developer Programs Engineer, Cloud Platform* Feb 2015 - present

- Wrote sample code and demos for Google Cloud in Python, Java, Scala, Node, and Go with a focus on Python App Engine, Container Engine (Kubernetes), Cloud Dataproc (Managed Hadoop/Spark), Cloud Bigtable, and StackDriver Monitoring.
- Contributed to client libraries including google-cloud-python, oauth2client, python-docs-samples.
- Taught Machine Learning classes to Cloud Customers at Advanced Solutions Lab.
- Designed, developed, and secured internal test infrastructure for scalable end-to-end testing of samples.cloud.google.com/python, cloud.google.com/python/django
- Core contributor/maintainer of Google GitHub repos including [Google Cloud Platform Python Docs Samples](#), [Jenkernes](#), and [Getting started with Django on Kubernetes with Google Container Engine and Minikube](#).
- Currently working on improving Google Cloud ecosystem around Apache Spark (Cloud Dataproc)

Knewton, New York, NY - *Software Engineer* May 2013 - Sept 2014

Developed Java web code and infrastructure for a consumer-facing web app. Automated AWS infrastructure like Zookeeper and Cassandra using Chef and internal tools.

Selerity, New York, NY - *Software Engineer* Nov 2010 - May 2013

Wrote network software and tooling in C++ for low-latency content event delivery and web scraping. Developed network analysis tools using libpcap and Wireshark

General Dynamics, Westminister, MD - *Software Engineer* Nov 2009 - Nov 2010

Developed features and bug fixes for a C++ Windows applications that interfaced with the robots.

EDUCATION

B.S., Computer Science, Johns Hopkins University - Baltimore, MD (2009) (with Departmental Honors)

Coursera: *Machine Learning* 100/100 (January 2016) and *Functional Programming Principles in Scala* (December 2016)

Udacity: Self Driving Car nanodegree first term

PROJECTS & OTHER

- [waprin.io](#) - Personal technical blog
- [Fantasybuff.com](#) - Closed beta side-project for ESPN fantasy football players to provide analytics. It scrapes ESPN fantasy football with PhantomJS and Selenium with visualizations in d3.js.
- Reached HackerNews front page with "[DeepBreath: Preventing Angry Emails with Machine Learning](#)" and "[Local Django on Kubernetes with Minikube](#)".
- Presented [Deploying Django on Kubernetes](#) (SF Django Meetup, Jan 2016) and [Google Stackdriver: Managing Workloads Across Cloud Providers](#) (GCP Next Brazil, Nov 2016).

SKILLS (in roughly decreasing order of skill level)

Languages

Python, Java, NodeJS, Scala, C++, C, Go,

Web

Django, Flask, Google Cloud Platform (Bigtable, Dataflow, Datastore, App Engine, etc), NoSQL, PostgreSQL, Redis, Linux (programming, administration, and debugging), Client-side JavaScript, AngularJS, d3.js, Firebase, PhantomJS, Selenium, HTML, CSS, SCSS,

System

Docker, Kubernetes, Continuous Deployment/Continuous Integration pipeline automation, , TCP/UDP and other network protocols, DevOps, network programming and design, SQL,

Data

PostgreSQL, Bigtable/HBase, Jupyter, Pandas, Spark SQL, SQL / BigQuery