# Dmitry Pavluk

pavluk73@gmail.com
dmitrypavluk.com
github.com/dmonay

**Profile**

I entered software engineering at the top of the abstraction stack. Frontend web development was my gateway drug. I quickly went down the rabbit hole. Next stop was backend web development. Throughout, I was deeply interested in the interface between my code and the hardware running it. This led me towards systems engineering and distributed systems. Today I happily turn ideas into frontend applications with React, mobile applications with React-Native, and backend systems powering it all with Go and Node. I also happily hack away at my Raspberry Pi, furiously upgrade router firmware for everyone I care about, and scuba dive into the world of assembly, compilers, and binaries.

There are more things in the world that I do not know than things that I do know. I most prize my ability to learn, adapt, and live a good life in the meantime.

**Experience**

### Hoopr; remote                                                                2017
End-to-end development of a player dashboard. Requisite backend architecture built in Go and MySQL. Frontend built with React and D3.

### Open Source Contributions                                          2016-present
Dgraph - distributed, scalable graph database: updated message digest algorithm; added the "nearest" geospatial query.

### Backend Engineer; Fsharp;  New York, NY                              2015-2016
Design, implement, maintain, and optimize highly available REST API in Node.js. Refactor legacy monolith into microsevices. Migrate legacy services from Mongo to Postgres. Deploy to/monitor/maintain AWS EC2, CloudFront, S3. Help build flagship product with React and Angular.

### Frontend Engineer; CrowdSurge; Brooklyn, NY                          2014-2014
Build internal applications and a point-of-sale frontend application in AngularJS. Work with backend consisting of new Go micro services and legacy PHP APIs. Collaborate with a distributed team via GitHub, HipChat, and Hangouts.

**Education**

Johns Hopkins University; Baltimore, MD — 2013
Stuyvesant High School; New York, NY    — 2009

**Skills**

Go, Node.js, JavaScript, C, MIPS, learning x86

PostgreSQL, MongoDB, MySQL, Redis, Memcached

Linux, Bash, Vagrant, Docker, VirtualBox

Jenkins, AWS

Git, code reviews, {unit, integration} testing

HTML, CSS, Angular(1/2+), React, Redux, D3, Webpack, TypeScript

Reliable + independent = make decisions && take responsibility for them