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This page is here to concisely demonstrate the ways in which I can be valuable to potential clientèle, who may be interested in my services for long- and short-term contract opportunities. As you may notice, I have diversified my skill-set, so that I can approach problems from a unique perspective. I will often see an angle to a problem that others don't see because of my wide field of study. However, because of that, I may have skills that are not relevant to your needs, so I've organized by general category to help you to quickly find the skills most relevant to you. Simply click the category you find most relevant to expand it. If you have any questions, or to set up an interview, I can be reached at the above contact information.

Technology

I am highly proficient in the full Linux deployment stack, from server to desktop and back to web. My primary home desktop/server machine is running Ubuntu 18.04 server with i3 desktop. Linux administration is definitely my strongest skill, and in front of this machine is where I spend most of my time.

Programming

I study programming with great interest on a daily basis, usually for several hours a day. These are some languages and frameworks I consider myself proficient in:

- Go -- Web APIs and CLI using standard library. I have a couple negroni/gorilla middleware modules that are under development as well.
- Crystal -- I've never seen Crystal code I couldn't understand just by reading. My language of choice for personal projects
- Python -- Web APIs using Flask, some web scraping using BeautifulSoup4, general scripting that involves math or complex input cases that bash/sh isn't as good at handling
- Javascript -- JQuery (this site); ReactJS; nodeJS
- sh/bash

Languages I am familiar with and could become just as proficient in with some time to train:

- Ruby
- PyQt
- Kotlin
- Java

My current choice development stacks are Go or Crystal for CLI or library programming (depending on library availability), and for HTTP APIs, ReactJS for web UIs, and PyQt for desktop. I would choose OpenStack or GitLab continuous integration with Kubernetes for a scalable deployment. I also have been eyeing GTK/F#, TornadoFX, and Vue.js, but there's only so much time in a day. I'm looking forward to development progressing on Fission.io and qt5.cr.

I find API development most compelling right now. There are tools that I feel that should exist -- like access to high-level, statically-compiled languages and frameworks like Go, or Crystal. Like high-level access to a cross-platform desktop GUI framework. The more accessible these high-level frameworks become, the higher quality our software will be in general. This interest extends as well to specific-use APIs, IPC or client-server protocols, and bot development, all of which I've been dabbling in lately.

Systems Administration

My experience also extends to manual and automated deployments of Linux in various environments, be it desktop, server, or otherwise. I maintain a number of web services for personal use, including the interactive version of this resume page, all of which I host with open-source solutions on Linux. I've even experimented with creating full-deployment automation scripts. Currently I use docker-compose on a single Linux server, which is adequate for my needs, but I'm familiar with many other virtualization, containerization, and deployment concepts. Security awareness is always a high priority when dealing with online interactions, and all my sites get A+ ratings from SSL Labs.

Other technologies

My interest in and experience with technology goes back all the way into my childhood. I've always liked to take it all apart and see how it works. I started learning how HTML and the web works at 10, wrote my first programs in the library before school in 7th grade. I had an under-the-table job at 14 fixing TVs and VCRs, and I've never stopped studying. I have some knowledge of SQL and database management, as well as working knowledge of version-control systems and continuous integration/automated deployment solutions.

Transportation

My largest range of official experience is in the transportation industry. I have around three years of professional experience. I prefer to drive a manual transmission vehicle, do my own maintenance, and am comfortable behind the wheel of large vehicles as well as small.

- *DDC4 Certified* - an accredited defensive driving course from the National Safety Council
- *Pizza delivery* for *Pizza Bellagio* (2014-2015), *Pizza Hut* (2014-2015), *Nonni's Pizza* (2015), *Pizza Rivera* (2016), and *Luciano's Pizza* (2016)
- *Courier/Package delivery* for *American Expediting* (2016) and *Amazon* (2016-2017)
- *Livery/Cab driver* for *Yellow Cab*, *Lyft* (both 2016), and *Uber* (2015-2016)
- *Driver Helper* at *United Parcel Service* (2012)
- *Internal Technical Support*, Tier I, for *Innosource, Inc.*, under contract with *FedEx*

Photography and Video

I have been working with digital photography and videography quite steadily for the past several years, and it's been a passing interest most of my life. There were a lot of broken cameras when I was younger so there was a lot of time that I held an interest and studied it, but didn't have the equipment to experiment with it, until more recently. I also have studied framing and composition throughout my life including times when I did not have a camera. I have been contracted for some small photography contracts, and enjoy and understand that work. I can do my own lighting, and editing as well as film video. I have a thorough understanding of lighting, framing, and the general concepts used to create aesthetic photographs. I don't pursue this actively as a career but am able and willing to offer photography services.

Education

- Graduated from *Burrell High School* in *Lower Burrell, PA*; class of 2011.
- Attended some college at *Westmoreland County Community College* and the *community College of Allegheny County*, but I decided that it would be wiser to devote my time to less structured educational

endeavors.

Relevant Equipment

- Transportation
 - 2009 Honda Civic
- Technology
 - My primary machine is an HP Proliant G6 server, running Ubuntu 18.04. I use it largely for development, and host my sites currently on a public cloud instance, but I am in the process of migrating to a serving VM instead. Most of my storage lies on a separate machine connected via NFS.
 - Old HP laptop running Ubuntu 17.10
 - A Google Nexus 6 running the latest LineageOS (Anroid 7.1)
 - An old tower running Debian Stretch with Docker for NextCloud.
 - Raspberry Pi Model B
 - Arduino Uno
 - A few vintage pieces and a *lot* of spare parts
- Photography
 - Nikon D3300 with 18-55mm lens
 - Tripod
 - Lighting apparatuses