

## D. Scott Boggs, Jr.

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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 am familiar with several scripting languages. The majority of the code I've written is in Python, and lately I've been taking advantage of Node.JS's JIT compiler and concurrency handling in certain cases. I am also very familiar with the variants on the Bourne-shell languages, like BASH and SH.

In addition to scripting languages, I like writing Go, Crystal, Kotlin, and would be comfortable in most other languages, given a small amount of time to train. I have also experimented with writing RESTful APIs in Python and Go, and SPA/PWAs in React.JS. I study programming with great interest on a daily basis, usually for several hours a day.

My current choice development stacks are Go or Crystal for CLI or library programming(depending on library availability), Go for HTTP APIs, ReactJS for web UIs, and PyQt for desktop. I would choose GitLab continuous integration and Kubernetes for a fresh deployment.

## 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 (Android 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