

John L. Radford

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Education

University of Pittsburgh - Greensburg Campus (Graduated: 2017)

Bachelor of Arts: Humanities Gen., Philosophy/Art History/Classical Literature

Minor: Political Science

Work Experience

IT Helpdesk Assistant – University of Pittsburgh Greensburg

Timeframe: Spring & Fall Semester 2017

As a workstudy, I was responsible for assisting students and faculty with computing issues, both in person and over the phone. Learned to work with networking, printing, and AV equipment. Learned to resolve issues on Mac, Windows, and mobile platforms.

Security / Support Technician Lvl 2 – Pair Networks, Inc.

Timeframe: 2018 - 2023

I started at Pair Networks as a support technician where I was responsible for answering customer phone calls and Email tickets regarding issues with websites, mailboxes, databases, DNS, ect. I was promoted quickly to several teams including, Upgrades & Moves, Urgent Live Server Monitoring & Response, Signup Fraud Detection, Abuse, and Security.

Junior System Administrator – Pair Networks, Inc.

Timeframe: 2023 - Present

I'm currently employed as a junior system administrator for Pair Networks where I assist in overseeing the infrastructure necessary to provide world class web hosting services!

Sample Projects

SSH Key Network Mapper – <https://github.com/BlueSquare23/ssh-map>

Created a simple Python utility to help enumerate & map ssh key networks. Uses the *paramiko* SSHClient to enumerate key logins. Distributed JSON can then be collected into a central *SQLite* database then finally visualized with 3rd party tools.

Reverse Shell Payload Generator – <https://rshell.sh>

Made a website / API using Python *Flask* to facilitate the delivery of reverse shell payloads from the cloud to your terminal or application. Setup *Pytest* unit testing and implemented homemade CD/CI pipeline for production deployment.

Web LGSM – <https://github.com/BlueSquare23/web-lgsm>

Created a fully tested stand alone web portal for the LGSM game server manager with Python3 using the *Flask* web-framework, a *SQLite* database, *SQLAlchemy* as the ORM, and *Bootstrap 5* for nearly all of the CSS.

Software, Languages, and Tools I Know

FreeBSD, Linux, Android, Vim, Git, C, Bash, Perl, Python, PHP, Java, JavaScript, TypeScript, JQuery, ReactJS, Vite, Nodejs, SQL, HTML, CSS, SASS, Markdown, L^AT_EX, Mediawiki Markdown, Flask, CGI, Bootstrap, WordPress, MediaWiki, Apache, Nginx, Postfix, Dovecot, MySQL, Docker, QEMU/KVM, VirtualBox, Ansible, Puppet and more.

Accolades

- Eagle Scout, Boy Scouts of America - Troop 66
- Ex Pluribus Capitibus Supra of the UPG Campus Alliance for Free Thought
- President of University of Pittsburgh's delegation to the model European Union (2016)