John L. Radford

Email: johnlradford23@gmail.com **Website:** https://johnlradford.io

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.

Support Technician Lvl 2 – Pair Networks, Inc.
Timeframe: 2018 - Present

As an overnight support technician for a web hosting company I wear many hats;

Teams: Support: Responding to customer phone calls and Email tickets. Upgrades & Moves: Moving accounts, websites, mailboxes, databases, DNS zone files, between between various generation FreeBSD and Linux servers. Urgent: Live server monitoring, responding to service outages and alerts as they occur (Ex. load spikes, high email queues, drive / hardware failures, and emergency reboots) Security: Malware detection, analysis, removal, hands on intrusion point detection, site cleanup, updating, and hardening.

Sample Projects

Ātman Webmail Client – `https://bluesquare23.sh/Atman_Mail`

Created a proof-of-concept web based Email client application in Python using the *Flask* web-framework, a *SQLite* database, *SQLAlchemy* as the ORM, and *Bootstrap 5* for nearly all of the CSS.

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. Setup *Pytest* unit testing and implemented homemade CD/CI pipeline for production deployment.

Write & Run Any Language – `https://bluesquare23.sh/WriteAndRun`

Implemented arbitrary code detection and execution textbox. Used *Flask* to wrap two powerful APIs; the first, Algorithmia ML API, detect's the language and the second, EngineerMans RCE Piston API, executes the arbitrarily submitted code.

Servers, Languages, and Tools

FreeBSD, Linux, C, Bash, Perl, PHP, Python, SQL, Vim, Git, HTML, Markdown, LaTeX, Mediawiki Markdown, Flask, CGI, Bootstrap, WordPress, MediaWiki, Apache, Nginx, Postfix, Dovecot, MySQL, Docker, QEMU/KVM, VirtualBox

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)