

Cary Carter

Software Developer (Full Stack)

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SKILLS

Most would call me a "Full Stack Developer". My experience ranges from creating/talking to RESTful APIs, CRUDs, data scraping, penetration testing... to backend setup/configuration (Linux, Databases, Web Servers, Caching, Version Control (Git), and more.

TECHNOLOGIES

Backend Development

- Python, PHP, Perl, Bash, SQL, Flask, Jinja2

Frontend Development

- HTML5, CSS3, Javascript, JQuery

General Technologies

- Linux (Debian, Ubuntu &c), Windows, PHP-FPM, NGINX, Apache2, MySQLd, Memcached, Cloud Hosting (AWS, azure, &c), Pentesting tools (SQLMap, NMap, Metasploit, &c), CDNs, elasticsearch, Security Hardening.

EXPERIENCE

TAP Publishing, Crossville TN - *Software Developer*

October 2017 - October 2018

- Added features, Fixed Security Vulnerabilities, Large Legacy Codebase
- Technologies used: Perl, Javascript, SQL, HTML/CSS, Apache2

Constituent Voice, Dallas TX - *Software Developer*

June 2015 - April 2016

- Fixed Security Vulnerabilities, Automated testing, Web Scraping
- Technologies used: Python, Javascript, SQL, HTML/CSS, Flask, Nginx

Experience

Python: I've worked primarily in python since I started programming in 2013. This work has included: websites/apis created with flask, integration tests using selenium, scraping tasks using requests, IRC bots, reddit bots, rigging online polls, website search functionality using elasticsearch, and many other general programming tasks.

PHP: Created an image hosting website, worked with wordpress, wrote multiple simple service website/apis, security vulnerability exploitation

Perl: Used this language primarily at TAP publishing as a web developer. I was working with a large legacy codebase, with tasks ranging from completely re-designing aspects of website functionality, to adding new functionality and patching security vulnerabilities.

Bash: I've written countless small bash scripts, including but not limited to: auto-install scripts, data processing scripts, and traffic logging scripts.

SQL: Almost every website/program I've worked on or built myself which requires a database has utilized some form of SQL. Some examples of DBMS's I have worked with are: PostgreSQL, MySQL, and SQLite.

Flask/Jinja2: At NWYC, we used flask heavily for our main products, which were web applications which allowed our users, who were mostly lobbyists, to more easily connect and interact with politicians.

HTML/CSS: As a web developer, most of my projects involve HTML/CSS.

Javascript/JQuery: I've used javascript heavily during various web development projects, mostly in the pursuit of adding interactivity to web pages.

Linux: I highly prefer linux whenever it comes to internet-connected servers. Almost all of the sysadmin work I've performed in the last 5 years has been centered around linux. This has included provisioning servers, running services, setting up development environments, security hardening.

Windows: I've extensively used windows as my primary desktop operating system for years. I am intimately familiar with most windows desktop uses.

NGINX/Apache2: Configured web servers for optimal performance, troubleshooted and resolved errors, configuring web servers to play nicely with CGIs.

Cloud Hosting (AWS, google cloud): Helped migrate an existing server stack from local dedicated hardware to cloud services. Including web servers, databases, elasticsearch instances.

Security: I have experience with a wide range of security concepts such as: password cracking, vulnerabilities in web apps such as XSS (both stored and persistent), RFIs, RCEs, SQLIs, port scanning, WPA2 cracking, etc

.Blockchain: I've heavily used crypto since 2011, and am fairly familiar with most things "blockchain".