M. Scott Severance

Python developer/Backend developer

scott@scottseverance.us   Hoover, Alabama   (214) 571-8924

Summary

Back-end developer excited to learn new technologies. I have done a lot of automation work, developed my own build system, and have at various times developed all parts of various web applications. I am a fast learner and a Python expert, with significant JavaScript skills. I enjoy working with a team and can also work alone.

Skills

- Programming languages and frameworks: Python, JavaScript, Ruby, PHP, Bash, Java, C++, Google Apps Script, VBA, Node, React, CodeIgniter, jQuery, Jekyll
- Other technologies, Git, HTML 5, CSS 3, MySQL, MariaDB, RESTful APIs, Microsoft Excel, Pandas, Apache, DNS, SSH, DHCP, rsync, GTK 3
- Linux: Ubuntu, Debian, Raspberry Pi, CLI
- Other: Automation, build systems

Software Development Experience

Jekyll Build

github.com/mssever/jekyll_build

This is a build system for Jekyll websites. It wraps the Jekyll tools and adds additional features such as:

- Automated and configurable builds and deployments with more capability than the standard tools have, using rsync over SSH
- HTML and Javascript minification, which are in addition to the CSS minification supported natively by Jekyll
- Generates ctags
- Automates git pushes to multiple remotes

Technologies used: Python, Bash, Jekyll, Git, rsync

Sleep Inhibit

github.com/mssever/sleep-inhibit

This is an indicator to prevent a Linux computer that supports AppIndicators from sleeping. It works by creating an icon and a menu where you can choose to inhibit sleep or not. There are preferences available to autostart, to start in inhibit mode, and to control what Sleep Inhibit does when you're running on battery.

Technologies used: Python, GTK 3 with AppIndicator 3.

Silent Countdown Timer

scottseverance.us/timer

Silent Countdown Timer is just as the name says: a countdown timer. This timer is useful for situations where you want a countdown timer but no audible alarm. I wrote it as a speaking timer. What sets it apart are these features:
- It can count down from a specified duration (e.g., 30 minutes), or count down to a specified time in 24-hour format (e.g., 20:00).
- Instead of stopping when time expires, it continues into negative time, so that you can see how far overtime you've gone.
- It has a large, full-screen display which can be read from across a room.
- Settings can be configured in the app and optionally saved in the browser. Or, they can be given in the URL so the timer can be inserted into existing workflows with external configuration.

Technologies used: JavaScript (with HTML and CSS)

Time Calculator

scottseverance.us/html/time_calculator.htm

Doing math with times isn't as simple as doing math with regular numbers because times use a different base. Time Calculator simplifies this problem. It provides:

- An intuitive, calculator-like interface
- Support for multiple calculations
- Limited support for multiplication and division
- Memory functions

Technologies used: JavaScript (with HTML and CSS)

Other Skills

Verified Skills

Skills rated by Pluralsight and visible on their website (https://app.pluralsight.com/profile/scott-severance-d9):
- Python: Expert (97th percentile)
- Linux Fundamentals: Expert (95th percentile)
- HTML, CSS, and JavaScript: Expert (94th percentile)
- Microsoft Excel: Expert (93rd percentile)
- PHP: Proficient (80th percentile)

System Administration

- Linux experience since 1998 (full-time since 2006), administering my own server and desktop machines as well as the occasional work machine
- Thorough knowledge of the Linux command line
- Experience with: Apache, BIND9 (DNS server), MySQL, NFS, Samba, SSH, VNC
- Ability to quickly learn new tools

Training and Documentation

- Developed and presented an introductory Linux training course which was very well-received
- Have taught English as a Second Language to adult students in South Korea, Dallas, and on-line since 2009
- Taught computer literacy at Delap SDA High School, Majuro, Marshall Islands
- Adapted software manual for internal company use

Leadership

- Consistently recognized as a leader, both formally and informally, in professional and personal capacities, and with large and small teams
- Promoted within 6 months of being hired by SDA Samyook Language Institute and spent the remainder of my time as a coordinator, where I was the foreign teacher supervisor for my local branches
- Led a group of ex-patriot teachers in my city in South Korea, leading to personal growth for the members and opportunities for networking. Also, expanded the group's membership from initially only employees of my company to include all others who were interested.
- Gained a reputation for making things happen; when others merely talk, I take action.