Scott Penn

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Professional Summary

Recent graduate with a Bachelors in Computer Science. Two years of experience working at the J. Paul Leonard Library at San Francisco State University. Proficient with object oriented programming, web development, and command line scripting concepts. Experience with Python, Rust, SQL, and Javascript. Willing to learn any stack as required.

Projects

Web Development Team Project - Backend Lead
- Developed a stock photo website with a team of seven students.
- Applied the principles of User Centered Design and Software Development best practices to meet a set of functional and non-functional requirements on a deadline.
- Acted as the backend lead responsible for choosing the frameworks, enforcing code reviews and coding style, maintaining the remote database, and deploying from GitHub.
- Gained experience with Node.js, Express, PostgreSQL, and Bootstrap.

BasicPM - Automated Workstation Maintenance
- Command line tool written in Rust, Python, and Windows batch scripts.
- Updates library software, deploys Windows patches, and initiates security scans nightly.
- Utilizes concurrency to run on over 100 library workstations in parallel.
- Produces daily log which outputs timestamps, computer names, and errors produced.
- Modular structure has allowed for code reuse in other library projects.

Professional Experience

San Francisco State University, San Francisco, CA
Systems I.T. Consultant, May 2018 — March 2019
- Worked with students, staff, and faculty to resolve technical issues with library computers and equipment.
- Produced a suite of scripts using Rust, Python, and Microsoft's command line utilities to automate the weekly maintenance of computers and produce daily logs to pinpoint issues.
- Actively updated website content on a weekly basis within the Drupal administrative panel with SQL generated queries using data from the Alma Analytics database.
- Improved multiple current web pages for the SFSU Library website by utilizing Javascript to clean imperfections in raw data and to improve the visibility of book list information.
- Migrated users to new hardware using Windows Easy Transfer and coordinated with staff to reduce the time needed to transition to Windows 10.
- Provided timely support using Remote Desktop Connection and GFI Languard to install and update software, deploy security patches, and fix connectivity issues.
- Worked within the library's server infrastructure to manage the Group Policy Objects of the library domain's active directory users, and deployed a fix to increase the uptime of virtual machines needed for file sharing within the library using VMWare.
- Updated and maintained current inventory for all faculty machines including computers, printers, scanners, and projectors.

Education

San Francisco State University
San Francisco, CA
B.S. Computer Science
Graduated January 2019
3.9 GPA for all coursework completed at San Francisco State University.