NICHOLAS KACHUR

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https://kachur.me

https://gitlab.com/nickkachur

SKILLS AND INTERESTS

Languages   Python, C#, Swift, JavaScript, Ruby, Perl, C, C++, Bash, Fish, PowerShell

Technologies   Windows, macOS, GNU/Linux, Vim, Git, Perforce, TeamCity, OctopusDeploy

EXPERIENCE

Susquehanna International Group, LLP   *Bala Cynwyd, PA*
Application Support Software Engineer   **June 2020 – Present**

- Developing automated ready-for-business reports and management tools in Python and C# .NET for the Proprietary Trading Services Team, which supports effective stock and derivatives trading.

Test Automation Software Engineer   **January 2018 – June 2020**

- Developed integration tests in IronPython for an internal trading platform written in C# .NET.
- Investigated test failures to determine root cause and escalate to the developer responsible.
- Responded to build-system, continuous integration, and deployment help requests.
- Led virtual scrum meetings through video and textual chats for a team of twelve.

Test Automation Software Engineering Co-op   **March 2016 – September 2016**

- Rewrote the team's automated test running infrastructure, increasing maintainability and usability while shedding almost 6000 lines of legacy code and building a scalable system for running tests.

Apple Inc.   *Cupertino, CA*
Linux and vSphere Systems Architecture Co-op   **September 2014 – March 2015**

- Supported Apple's world-class Silicon Engineering Group, with upwards of 3000 ECAD designers.
- Created, tested, and documented an upgrade plan from VMware vSphere 5.1 to 5.5.
- Wrote VMware ESXi Kickstart and PXE-Boot scripts, and deployed using existing PXE infrastructure.

Drexel University   *Philadelphia, PA*
Assistant Linux Systems Administrator   **April 2014 – September 2014**

- Administered the Department of Computer Science computing resources, serving more than 400 students and over 200 Ubuntu machines, using Nagios, RackTables, and the RT Issue Manager.
- Migrated the Department's internal website from Drupal to WordPress with integrated LDAP login.

EDUCATION

Drexel University, Pennoni Honors College   *Philadelphia, PA*
Bachelor of Science in Computer Engineering   **June 2018**

PROJECTS

StreetSavvy   **September 2016 – May 2018**

- Developed a geographic model of safety and risk in urban environments utilizing open civic data.
- Built server infrastructure to deploy a Python Flask web app and API with MongoDB, SSL/TLS, etc.
- Developed a Swift iOS app to natively display information from the existing web API.
- Led team's daily check-in and weekly review meetings using a modified Agile Scrum process.

Last updated 2020-08-01.