

NICHOLAS KACHUR

Amiable Technologist

[\(412\) 508-1193](tel:(412)508-1193)

<https://kachur.me>

nicholas@kachur.me

<https://github.com/nicholaskachur>

SUMMARY

Seasoned software engineer seeking full stack roles involving a variety of impactful, short-to-medium term projects. Interested in developing healthy work environments and mentoring junior teammates.

SKILLS AND INTERESTS

Languages	Python, C#, SQL, HTML, CSS, JavaScript, Perl, Bash, Zsh
Development Tools	Git/GitHub/GitLab, CI/CD Tools, Ansible, Cron, Vim
OSes, Frameworks, etc.	macOS, Linux, Windows, Django, jQuery, SAML

EXPERIENCE

University of Pennsylvania

Philadelphia, PA

Application Developer

October 2022 – Present

- Built a Python Django application to search for precedent within student exception requests. Set up Apache, Gunicorn, and SAML single sign-on using Ansible.
- Extracted university constituent details to surface in mailing lists, customer service tools, and more. Used Python, Oracle SQL, APIs, SFTP, and Cron.
- Automated project deployments using Ansible configuration management.
- Determined student eligibility for software licenses using Python, Oracle SQL, etc.
- Analyzed and occasionally modified legacy Perl apps to support ongoing operations.
- Maintained invoicing and company card reconciliation in a Mendix low-code website.
- Actively fostered a healthy team dynamic, e.g., kickstarting an informal weekly lunch.

Susquehanna International Group, LLP

Bala Cynwyd, PA

Software Engineer

June 2020 – October 2022

- Prevented costly mistakes in pricing configuration, session assignments, and application crashes by fixing bugs and developing features in legacy C# .NET management apps.
- Brought an error-prone, command-line, connection manager to a user-friendly web form with C# ASP.NET, JavaScript, and jQuery behind Windows single sign-on.
- Took ownership of an order activity monitor, completing its rollout to production and delivering new features in a Python project utilizing streamed message parsing.
- Automated business readiness reports using Python, MySQL, and HTML/CSS emails.
- Responded to production incidents as part of a weekly, business hours support rotation.
- Mentored student workers and junior teammates informally and in code review.

- Interviewed student worker candidates as part of two-person technical interview teams.
- Presented on my team's migration to GitLab for source control and CI/CD.
- Collaborated with colleagues using Jira and Confluence project management tools.

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

- Prevented broken financial logic entering production by writing automated tests, investigating failures, and either escalating to responsible developer or proposing fixes.
- Responded to build system and CI/CD help requests within my department.
- Led virtual scrum meetings through video and text chats for a team of twelve.

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

- Simplified my team's integration testing harness with a selective rewrite of the core functionality, trimming about 6,000 net lines of legacy code. This new harness was still in daily use 6 years later.

Apple Inc.

Cupertino, CA

Systems Administration Co-op **September 2014 – March 2015**

- Drafted and tested a VMware vSphere upgrade in a large corporate environment.
- Automated virtual machine reboots using the VMware vSphere Perl SDK.

Drexel University

Philadelphia, PA

Assistant Systems Administrator **April – September 2014**

- Fixed various Linux issues under supervision, e.g., daemons not running, missing user accounts, and servers not responding.
- Customized theme and structure of a student-facing WordPress website.

EDUCATION

Drexel University, Pennoni Honors College

Philadelphia, PA

Bachelor of Science in Computer Engineering

June 2018

City of Philadelphia

Philadelphia, PA

Mental Health First Aid Certificate

May 2023