

# NICHOLAS KACHUR

*Amiable Technologist*

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<https://kachur.me>

Phone Available Upon Request

<https://github.com/nicholaskachur>

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## SUMMARY

Seasoned software engineer seeking full stack roles involving a variety of impactful work. My projects have streamed millions of messages daily and directed resources to struggling students. I'm a passionate team player who actively fosters healthy work environments.

## SKILLS & INTERESTS

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

## EXPERIENCE

*University of Pennsylvania*

*Philadelphia, PA*

**Application Developer**

**October 2022 – Present**

- Improved processes and launched new capabilities by implementing web apps, data integrations, and other custom software for the engineering school's 500+ employees and 5,000+ students using Python, Django, SQL, and more.
- Automated project deployments using Ansible configuration management across more than 40 individual targets and tasks, including Apache and SAML SSO configuration.
- Migrated Python apps from Oracle SQL data warehouse to Snowflake cloud platform.
- Analyzed and occasionally modified legacy Perl apps to support ongoing operations.
- Collaborated with clients in multiple other departments to deliver tailor-made solutions.
- Actively fostered a healthy team dynamic, e.g., kickstarted an informal weekly lunch.

*Susquehanna International Group, LLP*

*Bala Cynwyd, PA*

**Software Engineer**

**June 2020 – October 2022**

- Prevented costly errors across 150+ business-critical session and connection assignments by implementing features and fixing bugs in C# management applications.
- Took ownership of a stock market activity monitor, completing its rollout to production and delivering new features in a Python project streaming millions of messages per day.
- Automated business readiness reports using Python, SQL, and HTML/CSS emails.
- Responded to production incidents as part of a weekly, business hours support rotation.
- Informally mentored over a dozen student workers and junior teammates.
- Interviewed over a dozen student worker and junior candidates as part of two-person technical interview teams.

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

- Prevented software crashes and malfunctions in a risk-sensitive environment by writing 100s of integration tests and test cases as part of a larger, white-box suite.
- Investigated test failures, and either fixed them myself or filed detailed bug reports.
- Answered build system & CI/CD questions for a nearly 100-technologist department.

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

- Revised an integration testing harness to improve orchestration of 1,000s of test cases.

*Apple Inc.* *Cupertino, CA*

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

- Wrote virtual machine upgrade plans & automation for the Silicon Engineering Group.

EDUCATION

*Drexel University, Pennoni Honors College* *Philadelphia, PA*

**Bachelor of Science in Computer Engineering** **2018**

**Non-Degree Courses in Psychology & Social Work, Various** **2019 – 2025**

**Mental Health First Aid Certificate, City of Philadelphia** **2023**