NICHOLAS KACHUR

Amiable Technologist

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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 & directed resources to students who need help. I'm a passionate team player who actively fosters healthy work environments.

SKILLS & 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 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 an order activity monitor, completing its rollout to production and delivering new features in a Python project parsing millions of messages per day.
- Automated business readiness reports using Python, MySQL, 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 individual test cases in a larger suite of integration tests. Investigated failures, and either fixed them myself or escalated them.
- 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**

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**

Multiple Institutions   *Philadelphia, PA*

Non-degree Courses in Psychology & Social Work   **2019 – 2025**