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## SUMMARY

Intermediate software engineer searching for full stack roles involving a variety of impactful, short-to-medium term projects. Interested in developing healthy work environments and helping mentor junior teammates.

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## SKILLS AND INTERESTS

Languages	Python, C#, SQL, JavaScript, TypeScript, HTML, CSS, Ruby, Perl, Bash, Zsh, Fish
Technologies	Linux, Windows, macOS, jQuery, Git, GitLab CI/CD, Perforce, TeamCity, Octopus Deploy, Vim

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## EXPERIENCE

*University of Pennsylvania*

*Philadelphia, PA*

### Application Developer

**October 2022 – Present**

- Supported educational objectives by automating business processes.

*Susquehanna International Group, LLP*

*Bala Cynwyd, PA*

### Application Support Software Engineer

**June 2020 – October 2022**

- Prevented costly mistakes in pricing configuration, session assignments, and application crashes by fixing exceptions and adding features in a support team's complex, legacy C# .NET management apps.
- Guarded against user-error-driven connectivity outages by bringing a command-line tool to a user-friendly web form with C#, JavaScript, and jQuery.
- Reduced marketplace connectivity risks by taking ownership of an in-house order acknowledgement monitor, delivering new features, and completing its rollout to production using Python and streamed message parsing.
- Analyzed legacy projects without code owners to inform their ongoing support models.
- Helped finalize hundreds of trades daily by automating reports for accounts which do not clear automatically.
- Presented SQL- and Python-based, production readiness reports through HTML and CSS email templates.
- Removed the last dependency on a decade-old config generation process and finally decommissioned it.
- Fixed production issues as part of a weekly, business hours, support rotation with occasional weekend testing.
- Caught bugs, proposed improvements, and mentored student workers through code review.
- Presented on my team's migration to GitLab for source control at a knowledge-share, talk series I proposed.
- Actively worked to foster a healthy team dynamic through friendliness, openness, and inclusion.
- Collaborated with immediate teammates and other colleagues using Jira issue and sprint tracking.
- Assisted my team lead and the firm with hiring by interviewing student worker candidates.

### Test Automation Software Engineer

**January 2018 – June 2020**

- Prevented broken financial logic entering production by writing and investigating IronPython test automation.
- Reduced build system and deployment outages by responding to help requests for a 100-person department.

### Test Automation Software Engineering Co-op

**March – September 2016**

- Simplified the team's complex, in-house test running code base with a selective rewrite of the core functionality, decommissioning about 6,000 lines of legacy code in the process. This new runner was still in daily use as of 2022.

*Apple Inc.*

*Cupertino, CA*

### Linux and vSphere Systems Architecture Co-op

**September 2014 – March 2015**

- Informed outage risks by drafting, testing, and documenting a VMware vSphere upgrade plan for the Silicon Engineering Group's virtual infrastructure.
- Sped up my team's periodic scheduled downtime by leveraging a Perl SDK to automate virtual machine reboots.

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## EDUCATION AND CERTIFICATES

*Drexel University, Pennoni Honors College*

*Philadelphia, PA*

### Bachelor of Science in Computer Engineering

**June 2018**

*Philadelphia Department of Behavioral Health and Intellectual disAbility Services*

*Philadelphia, PA*

### Mental Health First Aid Certificate

**June 2019**