

SUMMARY

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

SKILLS AND INTERESTS

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

EXPERIENCE

University of Pennsylvania

Philadelphia, PA

Application Developer

October 2022 – Present

- Renewed support for invoicing and company card reconciliation by upgrading a Mendix low-code web application off an unsupported version and updating its styling to follow university branding guidelines with SASS.
- Ensured continuity of service to a Nanotechnology Fabrication Center by upgrading a device communication web service off an unsupported Python 2 version up to Python 3 with minimal downtime.
- Automated manual student software licensing using Python 3, Oracle SQL, and Cron while removing dependencies on a bespoke server setup and utilizing common University solutions.

Susquehanna International Group, LLP

Bala Cynwyd, PA

Application 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 not cleared by the exchange.
- Presented SQL- and Python-based, production readiness reports through HTML and CSS email templates.
- 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.

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.

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

May 2023