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NICHOLAS KACHUR — BRAG SHEET

SUMMARY

Intermediate software engineer undertaking full stack development for PTS Development involving a variety of impactful, short-to-medium term projects.

Interested in developing healthy work environments and helping hire, mentor, and retain junior teammates.

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

RECENT HIGHLIGHTS

- *SoqTools:* Prevented costly mistakes in pricing parameters, trading assignments, and application crashes by fixing exceptions and adding features in complex, legacy C# .NET management apps.
- *OrcaWeb:* Guarded against user-error-driven connectivity outages by bringing the command-line Orca tool to a user-friendly web form with C#, JavaScript, and jQuery.
- *Bueller:* Reduced market connectivity risks by taking ownership of an in-house order acknowledgement monitor after the original developer left the firm. Delivered new features and completed its rollout to production across all current instrument types and venues using Python and streamed message parsing.
- *Subsystem Monitor, Param Differ, etc.:* Analyzed legacy projects without code owners to inform their ongoing support.
- *SFG Clearing / Alles script:* Helped finalize hundreds of trades daily by automating reports for specific accounts.
- Monitored production readiness via automated ready-for-business checks using Python, SQL, and HTML/CSS emails.
- *Shared Adaptors Config Generation & QP Differ:* Removed the last dependency on a decade's old config generation process and finally decommissioned it.
- Fixed production issues as part of a weekly, business hours, support rotation with occasional weekend testing and holiday support.
- Caught bugs, proposed improvements, and mentored junior teammates through code review.
- Presented on my team's migration to GitLab for source control at a knowledge-share, talk series I proposed.
- Presented to the broader PTS and Production Engineering groups on moving config workflows into GitLab.
- Actively worked to foster a healthy team dynamic through friendliness, openness, and inclusion.
  - Consistently received feedback that friendliness is my "superpower," from skip lead, Tom Eble.
  - New hires consistently seem impressed that I "know everybody."
- Assisted my team lead, and the firm with hiring by interviewing co-op candidates.
  - Assertively sought out mentorship from my leads and co-interviewers as someone new to interviewing.
  - Developed a draft co-op interview rubric to help standardize my process.

PRIOR HIGHLIGHTS

- Prevented broken financial logic entering production by writing and investigating IronPython test automation.
- *Build Masters:* Reduced build system and deployment outages by responding to help requests for the whole of EOT.
- *Emergent Leadership:* Led virtual scrum meetings through video and text chats for a team of twelve.
- *Co-op, SoqTest Runner:* Simplified the team's complex, in-house test running code base with a selective rewrite of the core functionality, which decommissioned about 6,000 lines of legacy code. The new runner has been extended since then and is still used today.

CONTINUING EDUCATION

Philadelphia Department of Behavioral Health and Intellectual disAbility Services   *Philadelphia, PA*
Mental Health First Aid Certificate   **June 2019**

Updated 15 June 2022.