Clinton Steiner

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Professional Experience

Senior Software Engineer | CBOE | Kansas City, KS   Jan. 2024-Present
Software Engineer   Apr. 2022-Jan. 2024
- Led enterprise migration to pytest (from nose) of over 100k tests.
  - Developed, packaged, and deployed custom plugins to port various functionality into pytest (attributes, parallel, and inheritance).
  - Created onboarding docs for pytest best practices and led trainings across teams.
- Led testing of replacement of legacy unit databases with streaming stack.
  - Noted as the hardest meaningful architecture change ever by Sr. Dir.
  - Created numerous abstractions which allowed for seamless transition and comparison via feature switch logic.
- Created automated deployment for nifi, kafka, and impala stack.
  - Creating custom solution which allowed for CI/CD of nifi flow versions for use in local development and EC2 instances.
  - Created framework tools for effective E2E testing through checking lag presence.
- Reduced code-red errors from 1x/month to error free in 8 months after implementing testing across real-time dump writing processes that write trade details into the databases.
- Sped up all CI/CD pipelines by 12% through optimization of setup functionality

Software Engineer | Spark Change LLC | Kansas City, MO   Nov. 2020-Apr. 2022
- Go-live support, providing ad-hoc data analysis and system controls commonly working with C-suite executives in control center room writing scripts that impacted millions in revenue.
- Designed and built new framework design for core library functionality, maximizing code reusability allowing for easier rewrites.
- Wrote custom claim generation logic to accommodate new or unique insurance requirements.
- Created tool to update and validate every providers credentials, saving hundreds of hours of work annually, by scraping national database via Python REST script.
- Helped developers tune and understand queries through optimization.

Database Administrator | INTRUST Bank | Wichita, KS   June 2020-Nov. 2020
- Managed operations, patching, security, and remediation for ~80 servers (MSSQL, PostgreSQL)
- Developed custom SQL queries to enhance server monitoring capabilities
- Automated multiple processes and reports via T-SQL, Batch, PowerShell, and Python

Engineering Intern | Burns & McDonnell | Kansas City, MO   Summers 2018, 2019
- Programmed advanced VBA apps to automate engineering & review processes
- Created Python program to compare database with file directory and quickly point out errors
- Handled quality control for work done on Piping ISOs, P+IDs, and Navisworks
- Managed document review process for (10Mil.) Pressure Vessel order with ~20 involved parties

Education

Kansas State University, Manhattan, KS   December 2020
Bachelor of Science in Mechanical Engineering

Leadership and Involvement

Engineering Ambassadors, President   Mar. 2017-May 2019
- Led 90 general members who were responsible for hosting prospective students

Technical Skills
- Languages: Python, SQL, Bash, Groovy, XSLT, AHK, VBA
- Tools: LXC, Jenkins, Git, Docker, VMWare

Published prom-alertmanager unraid template, used by 100k's
2023 Don't Fail the Phish Winner
Engineering Intern - write primarily about developing project estimation tool to speed up and optimize assignment of SME expertise while bidding projects