

Clinton (CJ) Steiner

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PROFESSIONAL EXPERIENCE

CBOE Global Markets

Lenexa, KS

Senior Software Engineer

April 2022 – Present

- Delivered 300 code artifacts per week across production/cert environments to 31 global exchanges. Ensuring proper testing, auditing, and approvals via python utilities to support extreme reliability across systems.
- Lead Engineer, supporting testing infrastructure requiring between 30 and 200 node Jenkins cluster, running hundreds of Jenkins jobs per day. When things broke, I root caused and fixed within SLA spanning firewall, permissions issues, package upgrades, shared object changes.
- Replaced artifactory implementation costing \$400k/year and serving artifacts at 4 mbps with custom python code and s3. Replacement solution served artifacts around 380 mbps, cost \$12k/year, and reduced pipeline execution time by 40%.
- Built, optimized, and upgraded all Jenkins pipelines, handling new build types and release workflows ensuring adherence to CBOE Software Engineering Methodology. Handled SOX audits for CI/CD systems.
- Supported major upgrades of test infrastructure and technology such as RedHat Linux 7 to 9, Hashicorp Vault Implementation, Postgres 9 to 17, Java 11 to 21, Python 3.8 to 3.13, Database to Kafka Streaming, ensuring high uptime, visibility to upgrades from non-stakeholder groups, and no customer impact.
- Awards: AI Olympics Silver Medal (out of 54 entries). 2024 Ethics and Compliance Award.

Spark Change LLC

Kansas City, MO

Software Engineer

Nov. 2020 – April 2022

- Lead engineer for 2 (of 8) clients, directly interfacing with customers to design custom-workflows to reduce touches from billing and medical staff. Provided live scripting during on-site "Go-live", working with CFO and billing staff solo in-person to custom release only the claims with logic working correctly. Impacted millions of dollars in revenue, ensuring cashflow was kept flowing through implementations.
- Only engineer able to handle custom claim rollup logic requests, implementing entirely custom code into the middle of Cerner claim generation logic. Errors in scripting result in entire system being unable to generate claims, or generating invalid claims causing cashflow to delay weeks. Created semi-automated testing, ci, and review process with client billing users to ensure stability.
- Tasked with new technology and query tuning, worked with insurance vendors to get access to their api's allowing claim statusing. Implemented custom automation into Soarian suite, saving client 600 hours of manual clicking (click-farm users in Michigan) via SQL and Python scripting (\$600k Savings Annually).
- Generated daily overview report with crontab and python configured on personal laptop, report was delivered to all revenue cycle employees in hospital.
- Saved 250 hours/hospital per year by automating provider credential validation, flagging discrepancies requiring manual review and automatically when possible.

Intrust Bank

Wichita, KS

Database Administrator

June 2020 – Nov. 2020

- Administrated 80 MSSQL Servers performing upgrades, backups, index-tuning and designing security groups.

Burns & McDonnell

Kansas City, MO

Engineering Intern

Summers 2018, 2019

- Created utility which incorporated department staffing and past project statistics to automatically generate rough bid for projects. Utility still in use today.
- Programmed utility to replace manual database export and counting via excel to generate per equipment completeness and identify equipment posing schedule-risk. Saved \$3.2k in engineering hours per project.

EDUCATION

Kansas State University

Manhattan, KS

Bachelor of Science in Mechanical Engineering

2016 – 2020

PROJECTS

Open Source | Python, Docker, Bash

May 2018 – Present

- Maintainer: jenkinsapi (python), Contributor to various other open source projects

TECHNICAL SKILLS

Languages: Python, SQL, Groovy, Java, Bash, XSLT, Lua, AHK, VBA

Tools: Jenkins, Github Actions, UV, Pantsbuild, Postgres, Snowflake, Kafka, Snowflake, Kudu, Nifi, PDB, Docker, Podman, Git, Prometheus, Incredibuild, SQL Server, Active Directory, Entra ID

Leadership/Volunteering: *Volunteer* - Habitat for Humanity, *Lector* - Our Lady of Lourdes, *President* - Engineering Ambassadors, *Technology Director* - Student Governing Association, *President* - Mech. Engg. Student Advisory Council

Certifications: Securities Industry Essentials, Fundamentals of Engineering, ENV SP