# Seth Reno

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## Summary

I am a software engineer who cares about my craft and strives to make software people enjoy using. I have proven success as an individual contributor, architect, and team lead. I love building software and believe work should be fun.

## Languages & Tools

Languages: C#, Python, SQL, JavaScript, TypeScript, HTML, CSS, shell scripting

Frameworks: .NET, ASP.NET, React, Django

Tools: Vim, VS Code, Visual Studio, Git, Docker, Playwright, Cypress, XUnit, Jest, Pytest, Github, Bitbucket, Jenkins, SQL Server, PostgreSQL, Redis, RabbitMQ, Elasticsearch, Kibana, New Relic, Jira, Trello, Azure, AWS, GCP

## Experience

**2023 – Now**  **Sr. Staff Engineer**, *Rosnet*, Parkville, MO.
- Helped teams improve velocity by assisting with automated deployments, containerization, automated testing, and observability.
- Reviewed and simplified designs for multiple projects saving the company hundreds of dev hours.
- Created pull request style SE interview screening process to help teams hire faster.
- Improved documentation and diagrams for critical legacy systems that were not well understood.
- Implemented framework for secure secrets management using Azure Key Vault.
- Discovered and resolved multiple complex security vulnerabilities.

**2021 – 2023**  **Tech Lead**, *Rosnet*, Parkville, MO.
- Bootstrapped and led a highly successful team that delivered multiple features using .NET, SignalR, React, RabbitMQ, & Elasticsearch.
- Designed and helped implement forecasting for new menu items that integrates with legacy sales forecast system.
- Addressed one of the company's largest scalability issues by queuing expensive operations.
- Implemented production replay system that's used for load testing heavyweight legacy SQL Server workloads.

**2012 – 2020**  **Sr. Software Engineer**, *Rosnet*, Parkville, MO.
- Implemented Rosnet's data ingestion platform. This is a distributed system with clients running on thousands of machines. It integrates 25 different POS systems with Rosnet and provides near real-time data servicing ~5,000 requests per minute.
- Implemented Rosnet's public API. api.rosnet.com
- Implemented a labor rules engine to accurately calculate pay and help restaurants comply with labor laws. Includes an innovative test framework that allows tests to be written in markdown.
- Setup CI/CD pipelines for multiple projects using Jenkins.
- Provided solution for cross platform code search and SQL server version control for the entire org.

2006 – 2012 **Sr. Programmer Analyst**, *Cameron Insurance Companies*, Cameron, MO.
- Technical lead on a multi-year mainframe policy system replacement project.
- Wrote a business object framework which is used to enforce complex underwriting rules.
- Created and maintained an ASP.NET web portal used by insurance agents to quote rates for home, auto, & commercial insurance policies.
- Implemented a web service that uses industry standard XML to provide real time rating services to third party comparative raters.
- Advocated for and helped team adopt automated testing and database version control.

2005 – 2006 **Programmer Analyst**, *Cameron Insurance Companies*, Cameron, MO.
- Implemented policy declarations printing system using .NET framework. Completed this project in a fraction of the time expected by parsing legacy COBOL programs which contained the x and y coordinates of each form field.
- Implemented native app that allowed insurance adjusters to upload images efficiently from low bandwidth internet connections.

2001 – 2005 **Sr. System Administrator**, *Shook, Hardy, & Bacon*, Kansas City, MO.
- Developed an application that tracks hardware, software, and drive usage on 250 servers.
- Developed various applications and scripts to automate repetitive system administration tasks.

## Freelance, Open Source, & Side Projects

2024 – Now **Side Project**, *Budget Flow*, budgetflow.io.
- Created a web app to make it easier to track spending by category and see cash flow projections. Uses React (Refine), Supabase, Python, scikit-learn, & Cloudflare.

2020 – 2021 **Freelance**, *ECS Geothermal*.
- Implemented a custom CRM using .NET, Vue.js, Azure App Services, & AWS Postgres RDBMS.

2019 – 2022 **Open Source**, *ReGitLint*, github.com/sethreno/ReGitLint, 57 stars.
- Created and maintained ReGitLint, an open source code formatting utility that helps development teams maintain consistent code style.

2009 – Now **Open Source**, *Schema Zen*, github.com/sethreno/schemazen, 336 stars.
- Created a tool to dump and restore SQL Server schema to text files for version control. This tool was preferred by many over other solutions due to it's speed and simplicity.
- Includes regression tests that create, dump, & compare databases using the tool against SQL Server Docker images in GitHub Actions.
- Reviewed and merged contributions from developers from around the world with a wide range of skill levels.
- Maintained a code base for over a decade as the underlying .NET framework has evolved.

## Education

2001 – 2004 **Bachelor of Science in Computer Information Systems**, *DeVry University*, Kansas City, MO.