

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.
 - 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 which applies complex rules to accurately calculate pay for tens of thousands of employees daily.
 - 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.
- o Completed a multi-year mainframe policy system replacement project. My role was technical lead on a team comprised of four .NET developers, four COBOL programmers, and an outside vendor. During this project I utilized my skills in communication, project management, and object oriented analysis and design to help provide an effective solution.
 - o Wrote a business object framework which is used to enforce complex underwriting rules.
 - o Created and maintained an ASP.NET web portal that provides access to data and services on mainframe systems.
 - o Implemented a web service that uses industry standard XML to provide real time rating services to third party comparative raters.
 - o Advocated for and helped team move from Visual Source Safe to SVN for version control.
 - o Advocated for and helped team adopt automated unit & integration testing.
- 2005 – 2006 **Programmer Analyst**, *Cameron Insurance Companies*, Cameron, MO.
- o 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.
 - o Implemented database version control for SQL Server.
- 2001 – 2005 **Sr. System Administrator**, *Shook, Hardy, & Bacon*, Kansas City, MO.
- o Developed an application that tracks hardware, software, and drive usage on 250 servers.
 - o Developed various applications and scripts to automate repetitive system administration tasks.

Freelance, Open Source, & Side Projects

- 2024 – Now **Side Project**, *Budget Flow*, budgetflow.io.
- o 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*.
- o 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.
- o 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.
- o 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.
 - o Includes regression tests that create, dump, & compare databases using the tool against SQL Server Docker images in GitHub Actions.
 - o Reviewed and merged contributions from developers from around the world with a wide range of skill levels.
 - o 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.