# 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 & Frameworks

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

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

## Experience

2025 – Now   **Sr. DevOps Engineer IDR-TA**, *Index Analytics*, Baltimore, MD, Remote.

- Implemented features, performed code reviews, and provided production support for the IDR-TA Rules Engine. It provides analysts with AI insights and workflow tools to help them determine dispute eligibility quickly and accurately. It has a microservices architecture using Python, Java, and Postgres for back end services and Angular for the front end.
- Proactively optimized AWS costs reducing monthly spend by 50%.
- Implemented CI/CD pipelines using GitHub Actions and AWS CDK which reduced contention deploying microservices and improved developer productivity.
- Identified the need and implemented automated tests that reduced regressions on core components.
- Helped design and implement AI chatbot component and its data pipeline.
- Implemented monitoring and alerting using CloudWatch.
- Changed database connections to use IAM authentication and implemented automatic secret rotation.
- Monitored and resolved security vulnerabilites helping the project gain ATO in the CMS AWS environment.
- Reviewed implementation of AI QA tool built by KPMG and provided guidance ensuring it met performance, security, and reliability requirements.

2023 – 2025   **Sr. Staff Engineer**, *Rosnet*, Parkville, MO, Remote.

- 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, Remote.
- Bootstrapped and led a highly successful team that delivered multiple features using .NET, SignalR, React, RabbitMQ, & Elasticsearch.
- Implemented 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 used for load testing heavyweight 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 that processes over 3TB of data daily. It integrates 30 different POS systems with Rosnet providing near real-time data for reporting and analytics. This system has been the foundation of Rosnet's business for over a decade.
- 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 is preferred by many over similar solutions from Microsoft and Redgate 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.