github.com/sethreno

Seth Reno

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.
- o Reviewed and simplified designs for multiple projects saving the company hundreds of dev hours.
- o Created pull request style SE interview screening process to help teams hire faster.
- o Improved documentation and diagrams for critical legacy systems that were not well understood.
- o Implemented framework for secure secrets management using Azure Key Vault.
- o 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.
- o 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 work-loads.

2012 – 2020 **Sr. Software Engineer**, Rosnet, Parkville, MO.

- o 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.
- o Implemented Rosnet's public API. api.rosnet.com
- o 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.
- o 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 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.
 - 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 adopt automated testing and database version control.
- 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 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.
 - o Developed an application that tracks hardware, software, and drive usage on 250 servers.
 - Developed various applications and scripts 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.
 - 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.
 - 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.
 - 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.