

Tyler Samples

Portland, OR | tysamples.com

Summary

Software Engineer excited about performance, observability, and automation with years of expertise specializing in databases, platforms, and process optimization.

I work on application and DevOps teams to improve performance, enable scalability, and design solutions for new feature development. I employ data-driven development methodologies focusing on observability and sturdy operations to make informed decisions to drive performance.

Skill Area	Tools/Technologies
Cloud Platforms	Azure, Google Cloud Platform
Programming Languages	C#, PowerShell, SQL, bash
Database Technologies	Azure SQL Database, Elasticsearch, Cosmos
CI/CD	Azure DevOps, GitHub Actions, Azure Data Factory
Automation	Terraform, Kubernetes, Docker
Business Intelligence	Database Design, ETL, FQHC UDS Reporting

Experience

Database Engineer @ Red Rover

2025 - Present

- Optimized database performance by analyzing APM telemetry and query execution plans, resolving high-friction resource contention to reduce latency and infrastructure overhead.
- Architected and implemented a foundational Data Warehouse to consolidate operational metrics across disparate systems, establishing automated ETL pipelines for unified business intelligence.
- Automated database schema migration and version control pipelines, reducing manual release friction and ensuring safe, repeatable deployments.
- Designed database telemetry dashboards and proactive alerts to identify query regressions, deadlock incidents, and resource exhaustion before they impacted users.
- Collaborated with product engineers to design highly performant schemas, indexing strategies, and caching patterns for new feature launches.

Senior DevOps Engineer II @ Degreed

2025 - 2025

- Completed project to separate front-end and back-end monolithic repository to allow for modular deployment and code consolidation; this included migrating many build, test, and release workflows.
- Migrated several dozen workflows to provider-managed pools, resulting in the elimination of technical debt, and a 50% reduction in both cost and runtime for most workflows.
- Upgraded more than a dozen Azure PostgreSQL servers to a compliant platform, augmenting performance, cost, and library availability.

Senior Software Engineer II @ Degreed

2024 - 2025

- Automated Elasticsearch upgrade reindexing process, saving hundreds of hours of developer time and creating a robust and consistent, highly logged routine.
- Prototyped a Semantic Search implementation to explore Machine Learning features for improved Categorical Search results.
- Led systems integration project using Azure Event Hub, enabling a robust integration between two systems and allowing the sales teams to upsell both products.
- Managed technical incident response to address systems outages, performance degradations, and other urgent business-critical needs.

- Reviewed APM data for performance constraints and implemented performance-tuning improvements to improve user experience and reduce business costs.
- Comprehensively developed new REST endpoints through MVC stack to integrate new system data with OAuth security for systems integration.
- Developed new .NET features in web applications.

Database Engineer @ American Health Technology Group

2022 – 2024

- Led recurring performance monitoring initiative to highlight opportunities to improve reliability and lower costs.
- Enabled observability tooling to provide insightful data to inform developers and management.
- Wrote DevOps processes to reduce friction in local development and empower developers to work more easily.
- Wrote DevOps pipelines to automate database deploy and other recurring functions.
- Consulted on database design and changes for application teams.

Senior Software Engineer @ Degreed

2019 – 2022

- Developed new features and bug fixes using T-SQL, Elasticsearch, and C#.
- Used APM observability to identify potential performance improvements and data integrity improvements.
- Built and maintained a database deployment pipeline, converting from a fully manual process.
- Identified frequently called queries and implemented Redis caching to reduce unnecessary database calls, resulting in a 30% reduction in queries on the largest Production DB.
- Designed, implemented, and documented a large-scale data-driven data migration process to migrate clients between data centers using Azure Data Factory.

Escalation Engineer @ Degreed

2018 – 2019

- Provided top-tier, live Production support for Azure SQL Database and Elasticsearch.
- Diagnosed and debugged production issues and bugs.

Business Intelligence Analyst @ OCHIN

2013 – 2018

- Fostered a technical learning environment as the technical lead; hosted a weekly learning session to assist a large team to overcome technical limitations in query design as well as tracing data through ETL processes from operational, analytical, and data warehouse databases.
- Performed extensive query optimization solutions for big data environment.
- Built automated bi-directional data extracts utilizing Microsoft framework (SQL Agent Jobs, SSIS packages).
- Built and supported federal Clinical Quality Measures platform reporting for 80 organizations, building a high-transparency data reporting platform to ensure customer confidence.

Education

BS Business Information Systems | Oregon State University

2006 – 2011