Kyle Krueger

Senior Software Engineer and Technical Lead

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I'm a senior software engineer and technical lead with 11+ years of software development experience. I combine hands-on implementation with architecture and team leadership, helping clients shape scope and priorities and guiding work through delivery. AI is central to how I develop software, and I build reusable workflows and review practices that help other developers use it in their work.

EXPERIENCE

Team Lead and Senior Software Engineer

Twisthink | Oct 2025 - Present

- Lead the Digital Platforms team across client engagements in applications, integrations, and cloud infrastructure, providing hands-on engineering, architecture, code review, and developer guidance.
- Develop reusable workflows for AI coding agents and lead their use in project work, covering specification-driven development, implementation across repositories, and independent review. Lead a biweekly developer meeting to share practical experience and stay current with AI tools and capabilities.
- Designed authorization for an enterprise AI service assistant to enforce each user's data permissions in Databricks Unity Catalog, with custom OIDC authentication, token exchange, on-behalf-of access, and machine-to-machine OAuth for user provisioning.
- Designed and implemented Azure infrastructure in Bicep, Databricks access policies in Terraform, and CI/CD in Azure DevOps Pipelines for repeatable provisioning and deployments.
- Built the AI assistant's Blazor frontend on .NET and helped the team deliver a pilot and prepare for a staged production launch.
- Led technical delivery of a .NET modernization for battery-pack engineering test software and implemented configurable CAN mapping to support different pack configurations.

Senior Software Engineer

Twisthink | Oct 2022 - Oct 2025

- Designed and implemented database tables and APIs for Vermeer's telematics application, connecting equipment data to its frontend. Contributed design decisions to feature planning and helped the team adopt Kusto Query Language (KQL).
- Took on delivery lead responsibilities for Vermeer's cloud team alongside development, refining work items that helped improve delivery pace. Automated dependency updates with Renovate and helped standardize testing, making maintenance more systematic.
- Built backend services and cloud infrastructure for client applications across AWS and Azure, using infrastructure as code, GitLab CI/CD, and GitHub Actions to make environments and delivery processes repeatable.

Senior Software Engineer

Bravo LT | Mar 2022 - Oct 2022

- Designed and implemented custom tools supporting the transformation of Priority Health's benefit and eligibility platforms.
- Guided improvements to the team's Agile SAFe practices through discussion and facilitation, helping improve clarity, team alignment, and delivery pace.

Technical Lead and Senior Software Engineer

Schneider | Oct 2019 - Mar 2022

- Led a development team building Azure integrations between Schneider's core ERP systems and a new transportation management system, MasterMind. Gathered stakeholder requirements, created technical designs, and guided implementation and support.
- Applied years of experience with Schneider's transportation systems to help Mastery shape its new TMS and guide integration design.
- Modernized legacy SOA load-posting integrations into a modular Azure-based Spring architecture.
- Coordinated integration design with enterprise architects and provided technical direction to the team building connections to DAT, Truckstop, and Schneider Freight Power Carrier.

Team Lead and Software Engineer II

Schneider | Feb 2018 - Oct 2019

- Led a team maintaining and improving truck telematics and execution applications and their integrations with Schneider’s Oracle Transportation Management system.
- Coordinated updates to dozens of business-critical integrations and custom applications during a major Oracle Transportation Management upgrade.

Software Engineer II

Schneider | Sep 2016 - Feb 2018

- Helped define integration contracts with Platform Science as it developed its telematics platform, including the software running on mobile tablets.
- Implemented backend integrations with Schneider's execution systems to support a phased migration from Qualcomm Omnitracs in-cab units.

Software Engineer I

Schneider | Jan 2015 - Sep 2016

- Built enterprise integrations and customizations around Schneider’s Oracle Transportation Management system to support transportation operations.

SKILLS

AI-assisted engineering: Codex, Claude Code, BMAD adaptations, Reusable AI agent skills, Cross-repository workflows, Independent AI review

Applications and integrations: C# / .NET, ASP.NET Core, Python, REST API development, Enterprise integrations, Blazor, Java / Spring, NUnit, xUnit, pytest

Cloud and delivery: Azure, AWS, Docker, Amazon EKS, Bicep, Terraform, AWS CDK, Azure DevOps Pipelines, GitLab CI/CD, GitHub Actions

SQL and data: SQL (Oracle, SQL Server, PostgreSQL), Azure Databricks, Kusto Query Language (KQL)

Identity and access: OpenID Connect (OIDC), OAuth, On-behalf-of access

EDUCATION

Bachelor's Degree in Computer Engineering

Michigan Technological University | 2009 - 2014