

JEREMY TERHAAR

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Software Engineer

SUMMARY

Software engineer with 9+ years of experience in enterprise supply chain environments, specializing in platform engineering and developer tooling. Builds CI/CD frameworks, deployment automation, and shared integration infrastructure that raise engineering velocity and release reliability for mission-critical, 24/7 systems.

SKILLS

Platform & DevOps: GitHub Actions, Jenkins, Terraform, AWS, Docker, CI/CD pipeline design, infrastructure automation, deployment tooling

Observability: Datadog, Dynatrace, CloudWatch, PagerDuty

Languages: C#, Python, PowerShell, Bash, TypeScript/JavaScript, Java

Backend & Data: .NET, Node.js, REST APIs, API gateways, Kafka, SQL Server, PostgreSQL, MySQL

EXPERIENCE

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Software Engineer II · Oct 2022 – Present

Software Engineer I · Sep 2019 – Oct 2022

- Designed and built a standardized CI/CD platform from scratch — modular PowerShell tooling plus GitHub Actions workflows — automating environment provisioning, enforcing deployment quality gates, and orchestrating automated testing across all environments; adopted as the release standard by 4 warehouse engineering teams and 35+ engineers.
- Cut deployment preparation time from days to under an hour and shortened release cycles, doubling annual release volume year over year for a 24/7 supply chain platform serving 1,000+ warehouse users; strengthened release consistency across internal and third-party integrations.
- Built the scaffolding for the team's automated testing infrastructure, growing coverage from zero automated tests to a nightly suite of 1,000+ tests distributed across multiple test servers; the suite now verifies all deployments to production.
- Co-led design and delivery of a new API gateway fronting the warehouse management system (WMS) database, replacing outdated integration software; now handles 200K+ requests per day as the standard integration layer across warehouse systems.
- Co-led implementation of an internal alerting system that drives all health monitoring for the WMS, processing threshold-based alerts for 5 development teams and operations staff, with PagerDuty integration for on-call escalation.
- Developed and maintained full-stack warehouse management features — RESTful APIs and React-based interfaces — with automated validation and continuous testing integrated directly into deployment pipelines.

BEI Services

Software Engineer · Sep 2016 – Sep 2019

- Designed and delivered full-stack web applications and RESTful APIs, owning database schema design, backend service development, and frontend implementation to support enterprise client workflows.
- Built and maintained ETL pipelines consolidating data from numerous disparate sources into a normalized database, enabling downstream data analysis and reporting workloads.
- Engineered scalable SQL solutions and third-party system integrations, improving data reliability and streamlining business operations for external partners.

EDUCATION

B.A., University of Minnesota – Twin Cities

2016

Computer Science; German, Scandinavian & Dutch Studies