

Shane McFadden

Staff Software Engineer — Chicago, IL

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Summary

Staff Software Engineer specializing in full-stack TypeScript systems. Proven progression from junior to staff through technical leadership, cost-saving innovation, and driving cross-team initiatives from concept to production.

Experience

Mastery Logistics Systems — Remote

Staff Software Engineer

Jun 2023 – Present

- Authored 9 Architectural Decision Records (ADRs) used by multiple engineering teams to guide initiative implementations from story mapping through production delivery
- Led technical execution for an overseas contracting team for 12+ months, defining architecture, prioritizing technical work, unblocking engineers, and reviewing pull requests
- Established an engineering handbook and recurring sprint technical discussions for a team of 9 engineers, documenting best practices, reducing PR friction, and accelerating feature delivery
- Created an internal tool that reduced developer time spent managing releases by 50% across 4 teams
- Spearheaded the consolidation of a codebase of microservices from 11 repositories to a single repository by deduplicating shared functionality, allowing for faster, safer service iterations
- Delivered a presentation on Hexagonal Architecture at a company-wide annual conference

Senior Software Engineer

Feb 2023 – Jun 2023

- Architected and executed the domain's first zero-downtime, expand and contract database migration, a critical step in allowing the company to cease disruptive Big Bang deployments
- Onboarded several engineers from entry to staff level who joined the team as new hires or in-house transfers

Software Engineer

Aug 2021 – Feb 2023

- Migrated 5 backend microservices to NestJS framework to standardize codebases across the domain
- Delivered end-to-end features for a cloud-native Transportation Management System by creating/updating React views, federated GraphQL servers, Kafka consumers, and webhook APIs

Technical Skills

- **Languages:** TypeScript, JavaScript, Bash
- **Frontend:** React, Next.js, Gatsby, Tailwind CSS
- **Backend:** Node.js, NestJS, GraphQL, Apollo Federation, Kafka, SQL Server, Azure Cosmos DB
- **DevOps:** CI/CD, GitHub Actions, Docker, Kubernetes, Helm
- **Testing:** Jest, Cypress, Vitest, fast-check

Education

- M.M. in Collaborative Piano — University of Michigan (2018)
- B.M. in Piano, With Highest Distinction — University of Kansas (2016)