

Nathan T. Mathis  
Delivery Lead / Senior Software Engineer  
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## About

Experienced Delivery Lead and Senior Software Engineer with a proven track record of leading cross-functional teams, architecting scalable solutions, and driving technical excellence. Skilled in mentoring developers, translating business requirements into technical solutions, and managing complex project deliverables across multiple industries. Demonstrated success in modernizing legacy systems, improving performance metrics, and establishing best practices while leading teams of 20+ developers.

## Work Experience

### JBS Dev Consulting

Delivery Lead / Senior Software Engineer (December 2020 - Current)

- **Advocates for Human Potential (AHP) (September 2024 - Current)**
  - **Role:** Delivery Lead
  - **Industry:** Government grant management for subsidized housing
  - **Relevant Technologies:** Vue, MySQL, Strapi CMS, AWS
  - Led technical strategy for portal management system modernization and team of 4 developers
  - Established architecture patterns using Strapi CMS for scalable content management, reducing development time
  - Managed stakeholder expectations and team deliverables while maintaining on-time delivery and deadlines
- **Catalyst Healthcare (May 2024 - Current)**
  - **Role:** Delivery Lead
  - **Industry:** Healthcare
  - **Relevant Technologies:** .NET Framework, ADO, Postgres
  - Led technical migration strategy from COLO to ADO, reducing deployment time and infrastructure costs for the client
  - Guided team through modernization of monolithic architecture
  - Established monitoring and metrics for report generation improvements
- **DSW / DBI Client (March 2022 - Current)**
  - **Role:** Senior Lead Developer
  - **Industry:** E-commerce
  - **Relevant Technologies:** Node, Angular, Express, Strapi CMS, SEO, Core Web Vitals

- Established technical standards and code review processes across team of 20+ developers
- Led architecture decisions for SEO optimization resulting in 150% improvement in Core Web Vitals
- Designed and implemented self-service CMS architecture enabling business autonomy and reducing workload on our developers
- Mentored junior developers and facilitated knowledge sharing sessions
- **IMTT NTL Client (September 2023 - April 2024)**
  - **Role:** Delivery Lead
  - **Industry:** Bulk Liquid Transportation
  - **Relevant Technologies:** Vue, Python, Django, AWS, Tableau, Bootstrap
  - Led technical strategy for legacy terminal application modernization
  - Established development roadmap and migration patterns
  - Coordinated between business stakeholders and development team
  - Implemented agile practices to improve delivery efficiency
- **WatchWire Client (March 2021 - March 2022)**
  - **Role:** Senior Lead Developer
  - **Industry:** Energy
  - **Relevant Technologies:** Java Spring, React, Postgres, TimescaleDB, Tesla API
  - Led microservice architecture decisions and established API design standards
  - Coordinated with stakeholders to prioritize and implement new use cases
  - Designed and integrated with Tesla's API for energy monitoring across a variety of buildings and factories
- **Senior Developer - Backstage Client (December 2020 - March 2021)**
  - **Role:** Senior Developer
  - **Industry:** Actor Talent Acquisition
  - **Relevant Technologies:** React, Redux, TypeScript, Elasticsearch, Python, Django
  - Led frontend modernization initiative to convert legacy class-based components to modern functional TypeScript components with hooks, improving maintainability and performance

## Covetrus

### Software Engineer (June 2019 - December 2020)

- Led development team as **Certified SAFe Scrum Master**
- Architected and implemented event-driven microservices using **Java Spring** and **Kafka**:
  - Communications service integrating **Twilio** and **SendGrid** APIs
  - Cross-system integration platform for PIMS-RX application utilizing **Kafka**
- Led development of **React/TypeScript** web applications:
  - Appointment Management system with notification infrastructure

- PIMS-RX platform integration with embedded desktop applications

## FieldStack

Software Engineer (May 2018 - May 2019)

- Architected modular e-commerce platform using **C# ASP.NET MVC**
- Designed reusable components and patterns to accelerate client onboarding

## CashStar (now Blackhawk Technologies)

Software Engineering Intern (2015 - 2017)

- Led development of internal package manager using **AWS Code Deploy**, improving **CI/CD** processes
- Architected payment processing integrations using **Java** and **React Redux**
- Automated operational processes using **Python** and **Django**

## Education

### University of Maine, Orono

B.S., Computer Science - *magna cum laude* | Business Management Minor

- Honors: *Phi Beta Kappa*, *Upsilon Pi Epsilon*
- Senior Capstone - Built a University Crypto Wallet Web App with **Python/Django**

## Skills

- **Leadership and Process:** Technical Team Leadership, Agile/SAFe, Microservice Patterns, RESTful API design, Developer/Team Mentoring, Solution Architecture
- **Frontend:** React, Angular, Vue, TypeScript, SEO, Google Core Web Vitals
- **Backend:** Node/Express, Java Spring, Python/Django, C#.NET
- **Infrastructure:** AWS, ADO, Docker, K8s, CI/CD
- **Data:** MongoDB, GraphQL, Postgres, MySQL, Kafka, TimescaleDB

## Key Achievements

- Led and mentored teams of 20+ developers across multiple enterprise projects
- Improved Core Web Vitals scores by 150% for major e-commerce platform
- Successfully delivered 6+ major system modernization initiatives