

# Dylan Moore

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## EXPERIENCE

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### General Motors

Austin, TX

*Software Engineering Team Lead*

*Jan. 2023 – Present*

Led architecture and development of a unified Inventory Visibility platform, reducing operational overhead by millions through efficient data aggregation, cross-functional collaboration, and streamlined workflows.

- Spearheaded the migration of on-premise Kubernetes clusters to third-party cloud providers, improving scalability and reliability.
- Created an innovative integration test framework for validating OpenSearch query logic, enhancing the accuracy of critical inventory analytics dashboards.
- Conducted regular sessions on development practices and design patterns, fostering junior developers' growth and advancing team technical expertise.
- Ensured dependency alignment across multiple scrum teams, leading to consistent successful deployments and maintaining green project status.

*Senior Software Engineer*

*June 2022 – Present*

Designed and implemented high-performance application features, improving efficiency by 50x and saving significant resources through optimized development and issue resolution processes.

- Successfully proposed and developed the integration of an OpenSearch indexing layer, boosting application performance by 50x
- Led the design and implementation of a micro-frontend framework enabling cross-team development, deployment, ownership, and seamless integration.
- Built a VIP inventory ticket tracking system reducing emergency resolution times by 10x and improving critical vehicle delivery.

*Software Engineer*

*Sept. 2019 – June 2022*

Delivered a company-wide inventory platform, saving millions annually by integrating vehicle life-cycle data into a reliable and scalable "golden source."

- Delivered a cutting-edge, cloud-native inventory web application, saving millions annually replacing off-the-shelf data visualization solutions for business clients.
- Integrated and deployed a golden source of vehicle life-cycle data using a Kafka publish/subscribe model, supporting company-wide data consumption.
- Built custom service monitors that ensured high system availability and up-time reliability.

## TECHNICAL SKILLS

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**Languages:** TypeScript/JavaScript, Java, Python, Go, C#, C/C++, SQL

**Frameworks:** React, NextJS, Node.js, NestJS, Spring, Quarkus, .NET

**Technologies:** Docker, Kubernetes, OpenSearch/ElasticSearch, Kafka, Redis

## EDUCATION

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**Texas State University**

San Marcos, TX

*Bachelor of Arts in Computer Science*

*Aug. 2014 – Aug. 2018*

*Minor in Applied Mathematics*