

Mathew Cook

Software Engineer

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Waconia, MN

612-875-2835

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Skills

React | JavaScript | HTML | CSS | NodeJS
| Nest | SQL | Web Applications &
Content Development | Databases |
Version Control (GIT) | Troubleshooting |
Agile Methodology | AngularJS | Jira |
Typescript | Microservices | SQS | Kafka |
Jest | Cypress | RTL

Versatile and results-driven full stack developer/software engineer with a strong foundation in both front-end and back-end development. While I've built a proven track record of crafting and optimizing user-centric front-end applications, my experience also spans building scalable, efficient backend systems — positioning me as a well-rounded engineer across the stack. Eager to deepen my backend expertise and take on increasingly complex architectural challenges, I bring relentless curiosity, a growth mindset, and a commitment to delivering robust, high-quality solutions. With a collaborative spirit and a history of driving meaningful outcomes across cross-functional teams, I'm ready to contribute to modern, full-stack development efforts and help architect innovative, end-to-end technical solutions.

Experience

Brooksource / Fullstack Software Engineer

July 2024 - PRESENT, Remote

Redefined the team's "Definition of Done," streamlining development processes and fostering a more consistent and efficient workflow.

Initiated and championed a weekly collaborative repository where team members contributed to advancing their technical skills. Each sprint, the team voted on a topic to focus on, empowering individuals to meet their yearly technical growth goals.

Collaborated closely with cross-functional teams, providing technical guidance and aligning their objectives with broader organizational goals to ensure cohesive project delivery.

Contributed to the design, development, and optimization of **REST APIs** and **GraphQL** endpoints to improve backend performance, reliability, and scalability, ensuring smooth data flow between various system components.

Played a key role in driving the adoption of **SQS** and **Kafka** to enhance messaging and real-time data processing capabilities across multiple systems.

Create shared rest client for support to ensure all teams had relevant endpoints to solve most common customer issues

Shippers Edge / Senior Software Engineer

August 2023 - July 2024, Burnsville, MN

Spearheaded the implementation of Cypress end-to-end testing framework across all user interfaces, ensuring robust testing coverage and enhancing product quality.

Pioneered the development of comprehensive testing suites for APIs, leveraging cutting-edge technologies to ensure the reliability and scalability

of backend systems.

Engineered the seamless transition of multiple legacy ColdFusion APIs to modern Node.js environments, optimizing performance and streamlining development workflows.

Orchestrated the integration of client systems with our platform, utilizing advanced JSON and XML technologies to facilitate seamless data exchange and enhance user experiences.

Led efforts to interface with external carrier rate APIs, enabling the dynamic retrieval of shipping rates based on shipment information, thereby empowering users with real-time pricing data and driving operational efficiency.

Agcode / Software Engineer

March 2023 - August 2023, Remote

Orchestrated a seamless upgrade of Angular framework from version 7 to 12, leveraging the latest features and enhancements to propel our application to new heights of performance and functionality.

Engineered a robust unit testing suite utilizing the powerful combination of Karma and Jasmine, ensuring rock-solid code quality and minimizing regressions throughout the development lifecycle.

Revamped the entire styling architecture by transitioning from a monolithic global CSS file to modularized individual components, resulting in a more maintainable and scalable codebase.

Elevated the visual aesthetics of the application by integrating Font Awesome Pro icons across various user interfaces, enriching the user experience with captivating and intuitive iconography.

Implemented comprehensive error handling mechanisms across critical endpoints, fortifying the application against potential disruptions and providing users with a seamless and error-free experience.

Mastery Logistics / Senior Software Engineer

September 2021 - March 2023, Remote

Spearheaded the successful completion of the multi-route initiative through proactive collaboration and diligent effort, driving the project to surpass milestones and achieve its strategic objectives.

Leveraged cutting-edge technologies including React, Nest, GraphQL, and PostgreSQL within a dynamic tech stack, demonstrating proficiency in building scalable and performant solutions tailored to meet business requirements.

Demonstrated a relentless commitment to excellence by consistently delivering high-quality features and tasks to the development pipeline, contributing to the team's overall productivity and project success.

Gained valuable exposure to Kafka's consumer/producer architecture, expanding technical expertise and contributing to the optimization of real-time data processing and event-driven systems.

Played a pivotal role in refining the team's development process, from

streamlining story creation to enhancing story details for better developer readiness, ensuring seamless task handoff and accelerating project velocity.

Proactively sought guidance from frontend practitioners to implement Cypress testing, embracing established patterns and best practices to enhance test coverage and reliability, particularly in load testing scenarios.

Level 2 / Software Engineer

November 2020 - September 2021, Remote

Led the transformation of the Level2 enrollment application, orchestrating a comprehensive rebranding effort encompassing everything from page layouts to color schemes. As a vital healthcare platform, meticulous attention was paid to ensuring compliance with stringent accessibility standards, ensuring seamless keyboard navigation and screen reader compatibility for optimal user experience.

Executed comprehensive rebranding updates for internal React sites, integrating modern design trends to improve visual appeal and align with updated corporate branding.

Played a pivotal role in the migration and rewrite of a Svelte/Sapper application into a React-based architecture, leveraging advanced coding skills and strategic planning to enhance performance, scalability, and maintainability.

Streamlined content management processes by integrating Web Content to CMS via Contentful, empowering stakeholders to make real-time updates and modifications with ease, thereby fostering agility and responsiveness in content delivery.

Innovated the development of a wide array of reusable UI components using Storybook, including dropdowns, navigation bars, buttons, and more, providing a consistent and cohesive design language across multiple applications, while accelerating development timelines and improving code quality.

DRC / Associate Software Engineer

March 2019 - November 2020, Maple Grove, MN

Leveraged strong knowledge of ETL concepts to identify matches between user-entered assessments and external databases storing test scores, and then implement matching data into application.

Complete rewrite of and AngularJS application to Angular

Deployed Agile methodologies to create, refine, and execute owner-defined product requirements.

Serve as only Full Stack developer to retrieve and integrate data into design prototypes to complete final Q/A and testing.

Engaged test-driven development approaches using Jasmine for testing initiatives to produce quality, market-demanded product features; added additional test coverage through app to deliver dependable data outcomes.

Education

Covalence / Full Stack Development Certificate

March 2019- August 20, Remote

Completed an intensive software development program with a range of training in focused areas including:

- Programming Fundamentals – Loops | Conditionals | Functions
- Front-End Development – Web and Mobile Interface Design | Contemporary Framework (ReactJS)
- Back-End Development – User Authentication | API Creation | Database Communication
- Databases – Storage & Infrastructure | MySQL & MongoDB (No SQL)
- Agile Development – Software Project Management | Team Communication & Collaboration