

Desmond McLemore

Full-Stack Software Engineer

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Professional Summary

Senior Full-Stack Software Engineer with over 3.5 years of experience designing and scaling production systems using modern web technologies. Proven track record in building robust React and Node.js applications, establishing frontend architecture, and leading cross-functional teams. Adept at driving technical initiatives, optimizing performance, and delivering high-quality solutions in Agile environments. Passionate about writing clean, testable code and solving real-world problems at scale.

Technical Skills

Languages: TypeScript, JavaScript, Python, SQL, HTML5, CSS3
Frontend: React, Next.js, GraphQL, Bootstrap
Backend: Node.js, Express, Flask, RESTful APIs, GraphQL APIs, Microservices
Databases: PostgreSQL, SQL, Schema Design
DevOps & Cloud: AWS, CI/CD, Docker, Cloud Infrastructure
Testing: Jest, Playwright, Unit & Integration Testing
Tools & Practices: Git, GitHub, Agile/Scrum, Code Reviews, Technical Documentation

Professional Experience

Senior Software Engineer | Xometry (Remote)

November 2021 - Present

- **Spam Detection Platform:** Designed and launched a spam detection system processing over 10,000 messages daily with 99.5% accuracy, including moderation tools and reporting workflows.
- **Frontend Architecture:** Led React architecture overhaul for the supplier discovery platform, introducing scalable component patterns that increased team velocity and improved maintainability.
- **Verification System:** Built full-stack company verification workflow using React, Node.js, and PostgreSQL; system now supports 1,000+ real-time company profiles and is used org-wide.
- **Team Collaboration:** Partnered with backend, product, and design teams to ship 3 major applications, while upholding >95% test coverage and comprehensive documentation standards.
- **Performance Optimization:** Boosted platform speed and reliability for 100,000+ users by tuning DB queries and optimizing component rendering.

Store Manager | Red Wing Shoes (Ann Arbor, MI)

May 2019 - August 2021

- **Operations Management:** Managed comprehensive store operations including expense control, inventory management, visual merchandising, and sales strategy execution
- **Team Leadership:** Led recruiting, hiring, coaching, training, and performance management for store personnel, developing team members' skills and career growth
- **Business Development:** Established corporate partnerships and buying contracts for safety footwear, generating increased foot traffic and revenue growth for the location

Education

Software Engineering Career Track Certificate | Springboard

August 2020 - August 2021

- Completed 700+ hours of hands-on training in JavaScript, React, Node.js, PostgreSQL, and system design.

- Built and deployed multiple full-stack projects, including an e-commerce app with authentication, API integration, and CI/CD pipelines.

Computer Engineering & Computer Science | *Indiana University, Indianapolis*

August 2015 - January 2017

- Completed 45 credit hours in Computer Engineering and Computer Science
- Coursework in programming fundamentals, data structures, algorithms, and computer systems

Awards & Recognition

Founders Award Recipient | Xometry

Q2 2023

Honored for designing and championing scalable frontend architecture for the supplier discovery platform, leading to increased productivity and maintainability across the engineering org.

Key Projects & Achievements

- **Messaging Moderation System:** Designed spam detection pipeline with reporting UI and admin dashboard; scaled to 10K+ messages/day with >99% accuracy.
- **Supplier Discovery Modernization:** Rebuilt core platform used by 50K+ suppliers with faster search, new design system, and reusable React components.
- **Company Verification System:** Developed automated workflow for verifying company profiles, handling 1K+ active records with audit logging and real-time updates.
- **Code Quality & CI/CD:** Established testing standards, introduced Playwright & Jest coverage, and implemented CI/CD via GitHub Actions—cut production bugs by 60% and improved release reliability.