

# Mason Meyer

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## SUMMARY

Full Stack Engineer with 3 years of focused software development experience and additional background across product and operations, bringing a holistic understanding of how software supports real business outcomes. Skilled in building scalable web applications with the MERN stack and translating cross-functional needs into maintainable, user-focused solutions that drive growth and retention.

## SKILLS

**Programming Languages:** JavaScript (ES6+), TypeScript, Python, C++, SQL

**Frontend Development:** HTML5, CSS3, TailwindCSS, React, Redux, SASS, Material UI, Webpack, Chart.js

**Backend Development:** Node.js, Express.js, RESTful APIs, PostgreSQL, NoSQL (MongoDB), Next.js

**Cloud & DevOps:** Amazon Web Services (AWS) (Lambda, EC2, S3), Docker, Kubernetes, CI/CD (GitHub Actions)

**Testing & Other:** Jest, Mocha, Supertest, Agile, Jira, Scrum, Prometheus, Git/GitHub

## PROFESSIONAL EXPERIENCE

### **The Daily Shred - Software Engineer**

03/2020 - Present

- Led end-to-end development of a subscription-based fitness platform serving 2,000+ users with on-demand, goal-based workouts by certified professionals; now adopted by local government wellness programs.
- Introduced a Redis caching layer with batched updates to replace on-request leaderboard generation, reducing API response times by ~80% and cutting database load by an estimated 90% as user count scaled past 1,000.
- Applied rigorous multivariate testing and cohort segmentation to boost email open rates by 90% and CTR by 250%, using sequential A/B tests with control groups and continuous monitoring to validate impact and minimize confounders.
- Delivered client-facing technical demos

**DataWizard** | *An AI-powered application that automates database population with mock data for testing purposes.*

- Architected an OpenAI-driven solution using NLP to parse natural language inputs into complex SQL queries, automating mock data generation and database population, optimizing testing and accelerating development workflows.
- Instituted a secure PostgreSQL database system with safeguards against SQL injection, incorporating query validation and automated testing using Jest, React Testing Library, and Supertest, achieving 81% test coverage for reliability.

**AdventureMatch** | *An application for Outdoor Enthusiasts that fosters friendships based on shared hobbies and skill-levels*

- Optimized frontend performance using React Router for SPA routing and useRef for refined DOM management, reducing latency by 20%, improving state persistence, and refining transitions and overall user experience.
- Tuned PostgreSQL queries, reducing user skill set identification time by 60% when handling large datasets, resulting in faster user matches and enhanced application performance.

## EDUCATION

**Bachelors of Science in Exercise Science, Magna Cum Laude (3.79 GPA)** - Oregon State University (OSU)

- Completed advanced coursework in Differential Calculus, Integral Calculus, Discrete Mathematics, Applied Differential Equations, Principles of Statistics, Computer Programming for Scientists, and Microcomputer Systems & Architecture
- Started as an Engineering major before switching to Exercise Science to focus on human performance and biomechanics while continuing to develop strong technical skills independently.
- Self-taught programmer before and during college, complementing formal education with hands-on software development experience.

**CodeSmith - Advanced Software Engineering & AI/ML - 2024**

- Completed a 700+ hour project-based curriculum covering advanced system design, optimized data structure and algorithm real-life use cases, modern DevOps workflows, and practical AI/ML integration.

## TALKS & PUBLICATIONS

[Database Optimization](#) | Scismic Tech Talk Series 2024

[PodMD - Developers Solution for Custom Kubernetes Pod Restart Configurations](#) | Medium 2024

## CERTIFICATIONS

- **AWS Certified Cloud Practitioner** - Amazon Web Services
- **Atlassian Agile Project Management Professional** - Atlassian
- **Docker Foundations Professional**