

# Mason Meyer

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## SUMMARY

Driven, dependable, and personable Founder, Chief Operating Officer, and Engineer with 8+ years of experience bridging the gap between technology and business. Known for a unique blend of technical expertise and business acumen, I excel at driving customer retention, growth strategies, and leading user-focused solutions. Skilled in full-stack development, with a primary focus on the MERN stack to deliver scalable, end-to-end web applications.

## SKILLS

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

**Frontend Development:** HTML5, CSS3, TailwindCSS, React, Redux, Next.js, 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 & Automation:** Jest, Mocha, Supertest, React Testing Library

**Other Tools:** Electron, Prometheus, Git/GitHub

## PROFESSIONAL EXPERIENCE

### PodMD (Open Source Contributor) - Full Stack Software Engineer

09/2024 - Present

- Developed a Kubernetes monitoring system using Prometheus and PromQL to track pod health in AWS EKS clusters, enabling advanced custom restart parameters and improving system reliability.
- Built a dynamic frontend with React and Chart.js for real-time Kubernetes pod metrics visualizations, capitalizing on Context API for seamless data management, elevating interactivity, and reducing troubleshooting time by 20%.
- Implemented Kubernetes client library for Node.js to automate AWS cluster management, streamlining deployments, cutting downtime, and boosting resource efficiency by leveraging the native integration with Kubernetes and Node.js.
- Designed modular middleware in Express to manage frontend parameters, amplifying scalability and simplifying complex request flows, accelerating CPU/memory updates, and orchestrating pod management using the Kubernetes API.
- Configured seamless CI/CD pipelines leveraging GitHub Actions, cutting down manual deployment errors by 40% and accelerating code validation cycles to under 15 minutes through automated Jest tests.
- Created a secure Node.js runtime with Electron for local desktop deployment, implementing unit and integration tests with Jest to ensure secure, reliable data handling and compliance with security standards.

### The Daily Shred - Co-Founder / Growth Engineer

03/2020 – Present

- Formulated and maintained a responsive, mobile-first website using React, HTML, CSS, and JavaScript with mechanized email delivery for currently 2,000+ subscribers, leveraging API integrations for seamless communication.
- Applied advanced analytics (multivariate testing, data segmentation) to increase email open rates by 90% and click-through rates by 250%.
- Conducted technical presentations to government clients, utilizing data analytics to highlight service value, securing contracts that resulted in 350% user growth, and collaborating on feature development based on client insights.

### The Forge Fitness Studio LLC - Web Developer / Chief Operating Officer

01/2014 - 08/2024

- Built and managed a scalable web application, integrating features like class scheduling, booking, and real-time stats to enhance user experience and enable activity tracking.
- Engineered API integrations with Mailchimp, MindBody, and FitMetrix to facilitate class bookings, deliver real-time stats, enable personalized communication, and track heart rates, optimizing efficiency and enriching user experience.
- Executed on-page SEO strategies to enhance search engine rankings by optimizing site structure, meta tags, and content for better crawlability, while integrating Google Analytics to increase organic traffic by 120%.
- Assembled employee onboarding with team-building strategies and feedback loops, advancing training efficiency and team performance, which led to an 80% member retention rate and five local awards in six years.

## PROJECTS

**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.

**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.

## EDUCATION

Bachelors of Science, *Magna Cum Laude* (3.79 GPA) - Oregon State University 2016

## TALKS & PUBLICATIONS

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

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

## INTERESTS & HOBBIES

Hiking new trails in the PNW, Paddleboarding, Weightlifting, and taking my Blue Heeler to the dog park.