Mason Meyer

541-979-8306 | Portland, OR (Open to Relocate) | mason.meyer@gmail.com | linkedin.com/in/-mason-meyer | mason-meyer.netlify.app

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 and dashboards, securing government wellness contracts and 350% growth in 6 months.

PodMD - *Full Stack Software Engineer (Open-Source Project Sponsored by OSLabs)*   *09/2024 - 02/2025*
- Worked with a team of five engineers to co-develop an open-source AWS EKS monitoring tool that enhances Kubernetes pod management by enabling custom restart parameters that tackle edge cases, improving system reliability.
- Implemented a runtime-configurable restart system that parsed user-defined thresholds into PromQL, generating dynamic queries to evaluate pod CPU/memory usage over time and trigger safe restarts without requiring redeployments.
- Developed an in-memory cool-down tracking mechanism keyed by namespace and stable pod labels to consistently apply restart rate limits across pod replacements, avoiding issues caused by ephemeral pod names.
- Maintained strict credential isolation by authenticating through users' local AWS CLI and kubeconfig setup, with RBAC controls enforcing pod-level permissions, zero credential persistence, and graceful surfacing of errors in the UI.

The Forge Fitness Studio LLC - *Chief Operating Officer*   *01/2021 - 08/2024*
- Directed business operations, staff onboarding, and strategic growth – boosting client retention rates from 50% to 80%.
- Identified operational bottlenecks and collaborated with cross-functional teams to design and implement automated workflows and SOPs for key studio functions (e.g. scheduling, onboarding, reporting), reducing manual workload by 25%.
- Led strategic budgeting, forecasting, and financial planning to maximize efficiency and drive profitability, which contributed to a 45% revenue increase and multiple local awards for business excellence, customer service, and community impact.

The Forge Fitness Studio LLC - *Web Developer*   *03/2018 - 01/2021*
- Coordinated with stakeholders and cross-functional teams to lead ongoing development of a fitness platform from launch-phase MVP into a scalable, production-ready system using React, Node.js/Express, and PostgreSQL – featuring class scheduling, waitlists, and performance tracking.
- Built a scalable leaderboard leveraging paginated and parameterized queries to deliver personalized ranking segments, improving member retention by 35% while preserving low API latency.
- 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%.

PROJECTS

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** - *Docker*
- **Microservices Foundations Professional** - *Kong Inc.*
- **GitHub Essentials** - *Github*
- **DevOps Professional Certification** - *PagerDuty*

INTERESTS & HOBBIES

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