

John Mollberg

Software Engineer

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Roseville, MN

Summary

Software engineer with 10 years of experience across full-stack development, payments infrastructure, and engineering leadership. Built and led teams while staying hands-on — architecting billing systems, CI/CD pipelines, and event-driven backends. Thrives in roles that combine architecture ownership with engineering mentorship.

Experience

Software Engineering Manager

Arccos Golf

Dec 2020 - Present

- Architected Stripe billing integration handling multiple subscriptions per user and deferred invoices. Built event-driven backend with EventBridge, SNS/SQS, and Lambda to process webhooks reliably, with CloudWatch alarms for payment failure monitoring
- Led key initiatives including CI/CD pipelines, infrastructure as code, A/B testing framework, internationalization, OAuth for third-party partnerships, and click-to-cancel compliance
- Delivered billing system for Link Pro Trial launch, generating hundreds of thousands in revenue from thousands of trial units
- Owned payments and subscriptions — the most technically complex domain — maintaining delivery velocity and domain ownership through significant organizational change
- Built and maintained the company's core web platforms: customer acquisition funnels, user dashboard (rounds, stats, account/billing management), and Shopify e-commerce store
- Led a cross-platform team of 4+ engineers; hired 2 engineers, mentored the team, and promoted 1 to senior
- Partnered with executives to drive product and marketing direction — selecting SaaS vendors, designing activation funnels, onboarding UX, billing models, and public API strategy
- Company's core product processes tens of thousands of events per second at peak; contributed enhancements and gained deep familiarity with the high-throughput, event-driven architecture
- Served as a primary technical advisor to cross-functional leadership — scoping initiative feasibility for product, finance, and operations teams
- Drove engineering standards adopted across the organization: CI/CD pipelines via GitHub Actions, infrastructure as code, monitoring/alerting systems, and release processes
- Established engineering quality practices: incident management processes, feature request intake workflows, and team accountability mechanisms

Senior Software Engineering Consultant

Daugherty Business Solutions

Jun 2016 - Dec 2020

- Consulted with Fortune 100 consumer electronics clients to improve software engineering practices and deliver e-commerce solutions
- Technical lead on a team of five engineers building customer-facing e-commerce features within a large-scale agile organization
- Built Kafka-based data pipeline consuming CDC events from cross-organization databases, transforming them through stream processors, and materializing into application-specific data stores
- Introduced continuous integration, automated testing, and code quality standards to teams that previously lacked them

Education

Bachelor of Science in Computer Science

University of Minnesota

2013 - 2016

Skills

Claude Code

Early adopter of AI-augmented development. I use AI coding agents not just for autocomplete or learning, but as force multipliers for delivering production-quality work.

▶ Production Debugging

I use AI agents to analyze production logs and trace root causes, dramatically accelerating incident resolution

▶ Feature Delivery

I ship full implementations — code, tests, and docs — using AI agents to accelerate development while maintaining my quality standards

▶ Integration Testing

I build and maintain comprehensive test suites across services using AI agents, achieving broader coverage than manual testing alone

▶ Product Planning

I use AI to draft technical roadmaps and architectural designs, which I refine and present to stakeholders

Languages

TypeScript JavaScript Rust
Python Kotlin Java Bash
SQL

Frontend

React Vue HTML/CSS Redux
Vite Tailwind

Backend

Node.js Express Java Rust
Stripe MySQL PostgreSQL
Kafka

Tools

Claude Code Cursor GitHub
GitLab

AWS (Lambda, CloudFormation, CloudFront, EventBridge, SNS/SQS, and more)