

Ryan Mohrman

Principal Software Engineer

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Engineering solutions through cross-functional alignment and clear communication with every layer of the organization.

Skills

Languages Ruby, GraphQL, TypeScript, Python, JavaScript, SQL
Frameworks VueJS, Ruby on Rails, ReactNative
Tools PostgreSQL, Redis, Docker, Kubernetes, GitHub Actions, AWS, Azure
Specialties CI/CD, API design, codebase modernization, team mentorship, domain modeling

Experience

- 2022 – Present **Principal Software Engineer, Groundfloor Finance, Denver, CO**
- Led modernization of the company's aging codebase, replacing legacy code with performant design patterns and reducing average query times by 75%
 - Designed and implemented the Auto Investing algorithm, responsible for managing over 40% of investor activity and ensuring a diversified investment experience
 - Architected and launched Auto Investor account types, introducing performance dashboards, allocation forecasting tools, and custom reporting for all investors
 - Overhauled security and compliance posture by upgrading core packages, enforcing dependency scanning, and contributing to secure-by-default design standards
 - Introduced and scaled observability using Datadog, Rollbar, and structured logging, increasing deploy confidence and reducing issue triage time
 - Enhanced CI/CD pipelines with GitHub Actions and pre-deploy checks, shortening release cycles and improving engineering velocity
 - Partnered with product and executive teams to define quarterly OKRs and align engineering efforts with business goals
 - Mentored junior engineers, advocated for developer experience improvements, and led internal architecture reviews
- 2020 – 2022 **Engineering Manager/Sr. Software Engineer, W Energy Software, Denver, CO**
- Managed and mentored a team of 7 developers, improving onboarding, delivery cadence, and collaboration with architecture and executive leadership
 - Reformed release process by transitioning from per-client branches to unified, periodic releases—drastically reducing merge conflicts and production bugs
 - Led Docker containerization and service decomposition efforts to shift a legacy monolith toward a scalable, service-oriented architecture
 - Established CI/CD pipelines, introduced test coverage gates, and integrated tools like SonarCloud and Mabl to enforce code quality and automated testing
- 2018 – 2019 **Product Manager, Actenum Corporation, Denver, CO**
- Introduced development team to product concepts, agile development rituals, and release process
 - Ensured general availability of Upstream, Version 6.6 released on October 30, 2019

- 2017 – 2018 **Senior Solutions Architect**, *Aucerna F.K.A. Energy Navigator*, Denver, CO
 - Led a DevOps initiative to build a sales demo and engineering test tool, and personally developed the integration automation tools and the SQL server and application server configurations
 - Wrote a data integration tool to easily share data and workflows with the production forecasting and planning teams
- 2015 – 2017 **US Product Manager**, *Aucerna F.K.A. Energy Navigator*, Houston, TX
 - Analyzed US competitive landscape and partnered with Sales/Marketing to position product against incumbents
 - Developed prototype models and calculations to align roadmap with client needs
 - Defined epics and prioritized development to support US market expansion
- 2013 – 2017 **Technical Sales Engineer**, *Aucerna F.K.A. Energy Navigator*, Houston, TX
 - Led the largest implementation in US company history, consolidating 140 separate databases into a single source of information, reducing the reserves process to hours vs. weeks
 - Doubled sales of Value Navigator YoY for 3 years, increasing contribution revenue from 5% to 40%
- 2012 – 2013 **Senior Software Engineer/Product Manager**, *Enerpact*, Houston, TX
 - Acted as both engineer and product liaison between US clients and overseas dev team, introducing source control and implementing new development practices
 - Delivered requirements, POCs, and training materials for major feature releases
- 2010 – 2012 **Lead Web Developer**, *Harold Vance Petroleum Engineering Department*, College Station, TX
 - Rebuilt department website using Umbraco CMS; administered security and hosted web infrastructure
 - Supported faculty and IT on all web-related requests and updates
- 2009 – 2010 **Application Developer**, *Reynolds and Reynolds Company*, College Station, TX
 - Migrated legacy .NET applications and maintained marketing/advertising integrations while completing undergraduate studies

Projects

- CI/CD Deployed Docker + GitHub Actions for auto-testing and deployments
- Codebase Refactored legacy codebase into modular services and updated queries to more efficiently retrieve data
- Modernization
- Internal Tools Created dashboards to monitor deploy health and system metrics

Education

- MS in Computer Science**, *Georgia Institute of Technology*, Atlanta, GA
- BS in Petroleum Engineering**, *Texas A&M University*, College Station, TX

Certifications

- Certified Scrum Product Owner - Scrum Alliance
- PMC III - Pragmatic Marketing