

SEAN LYONS

📍 Austin, TX

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EXPERIENCE

Tech Lead

Nov 2022 - Present

Favor

Austin, TX

- Improved search result relevancy, improving conversion by 10%
- Spearheaded implementation of an ML content recommendation pipeline, boosting revenue and improving conversion rate
- Designed a new ecommerce platform, resolving long-standing technical debt and enabling product personalization
- Collaborating with product teams to influence roadmaps across a team of 30 engineers
- Mentoring engineers day-to-day through pair programming and design processes

Senior Software Engineer

Jul 2021 - Nov 2022

Amazon Web Services

Austin, TX

- Shipped software for an AWS Managed Prometheus, ingesting petabytes of data daily with 99.9% availability
- Operated in a 24/7 on-call rotation, ensuring customer satisfaction and service reliability
- Built custom Kubernetes controllers in Golang to speed up global multi-AZ deployments by 60%^{1 2}

Senior Software Engineer

Sep 2018 - Jul 2021

Symbiont

New York, NY

- Led implementation of a proprietary distributed database capable of handling 10k transactions per second in Golang
- Reduced CI pipeline runtime by 75% with Bazel and improved testing practices

Senior Site Reliability Engineer

Mar 2018 - Sep 2018

iHeartRadio

New York, NY

- Migrated company to new AWS infrastructure observability platform based on Prometheus and Grafana
- Adopted Kubernetes-based deployment architecture for business-critical audio streaming infrastructure

Senior Full Stack Software Engineer

Mar 2016 - Mar 2018

Commonbond

New York, NY

- Managed a team of 3 contracted engineers
- Designed and implemented Java Spring Boot services deployed on Kubernetes
- Contributed to React product UI

Early Experience

Jun 2013 - Mar 2016

- FactSet: full stack software engineer [AngularJS, Python, Perl]
- MathWorks: software engineering intern [C++, Python]

EDUCATION

University of Texas at Austin, M.S. in Computer Science

Sep 2024 - Present

Clarkson University, B.S. in Computer Science & Mathematics

Sep 2010 - Dec 2014

TECHNICAL SKILLS

Soft Skills: Leadership, Service-oriented Architecture, API Design, A/B Testing

Frameworks: Spring Boot, Node.js, React, Expo

Tools & Platforms: AWS, Kubernetes, Docker, Prometheus, Terraform

Databases: PostgreSQL, Elasticsearch, MongoDB, Redis

Programming Languages: Kotlin, Java, Python, Golang, PHP, Typescript, SQL

¹<https://aws.amazon.com/blogs/opensource/speed-up-highly-available-deployments-on-kubernetes/>

²<https://github.com/aws/zone-aware-controllers-for-k8s>