

SEAN LYONS

📍 Austin, TX

✉️ lyonssp777@gmail.com

📞 (540) 290-6284

EXPERIENCE

Tech Lead

Mercury

Feb 2025 - Present

Austin, TX

- Leading projects in a cross-functional product engineering team
- Designing a next-gen authorization platform based on Google Zanzibar
- Contributing to React and Haskell codebases to support Mercury Business Banking

Tech Lead

Favor

Nov 2022 - Feb 2025

Austin, TX

- Implemented an AI content recommendation pipeline, increasing revenue and improving conversion rate
- Optimized typeahead search architecture, improving conversion by 10%
- Oversaw the engineering roadmap across 5 teams for a consumer food delivery mobile app
- Provided technical design for significant marketing technology initiatives
- Led architecture review for a service-oriented product architecture deployed on Kubernetes
- Collaborated cross-functionally to align and influence roadmaps across a team of 30 engineers

Senior Software Engineer

Amazon Web Services

Jul 2021 - Nov 2022

Austin, TX

- Owned distributed systems to power AWS Managed Prometheus, a high-throughput service with 99.9% availability
- Built custom Kubernetes controllers in Golang to speed up global multi-AZ deployments by 60%^{1 2}
- Developed CI/CD pipelines to delivery software across all AWS regions and availability zones

Senior Software Engineer

Symbiont

Sep 2018 - Jul 2021

New York, NY

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

Senior Site Reliability Engineer

iHeartRadio

Mar 2018 - Sep 2018

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

Early Experience

Jun 2013 - Mar 2018

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

EDUCATION

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: Haskell, 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>