

# 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%<sup>1 2</sup>
- 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

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

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