

# SEAN LYONS

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## EDUCATION

<b>University of Texas at Austin</b> , M.S. in Computer Science	<i>Sep 2024 - Present</i>
<b>Clarkson University</b> , B.S. in Computer Science & Mathematics	<i>Sep 2010 - Dec 2014</i>

## EXPERIENCE

<b>Favor</b> <i>Senior Staff Software Engineer, Consumer Growth</i>	Nov 2022 - Present <i>Austin, TX</i>
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- Leading architecture review for a service-oriented product architecture deployed on Kubernetes
- Collaborating with product teams to coordinate technical roadmaps across 4 product teams
- Mentoring and aligning consumer engineering teams to enforce adoption of best practices
- Drove design and implementation of a new ML content recommendation system while improving app load times by 50%
- Optimizing consumer experiences with continuous feature experimentation and a/b testing

<b>Amazon Web Services</b> <i>Senior Software Engineer, Managed Prometheus</i>	Jul 2021 - Nov 2022 <i>Austin, TX</i>
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- Shipped to global AWS regions with a cellular architecture using Golang, Typescript, and Kotlin
- Operated in an on-call rotation for an AWS service with a 99.9% uptime SLA
- Built custom Kubernetes controllers to speed up global multi-AZ deployments by 60%<sup>1 2</sup>
- Refactored global service usage metering pipelines to improve reliability

<b>Symbiont</b> <i>Tech Lead</i>	Sep 2018 - Jul 2021 <i>New York, NY</i>
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- Implemented a proprietary low-latency distributed database and consensus protocol written in Golang
- Reduced CI pipeline runtime by 75% with Bazel and improved testing practices

<b>iHeartRadio</b> <i>Senior Site Reliability Engineer</i>	Mar 2018 - Sep 2018 <i>New York, NY</i>
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- Migrated company to new AWS infrastructure observability platform based on Prometheus and Grafana
- Adopted Kubernetes-based deployment architecture for business-critical audio streaming infrastructure

<b>Commonbond</b> <i>Senior Full Stack Software Engineer</i>	Mar 2016 - Mar 2018 <i>New York, NY</i>
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- Managed a team of 3 contracted engineers
- Designed and implemented Java Spring Boot services deployed on Kubernetes
- Contributed to React product UI

<b>FactSet</b> <i>Full Stack Software Engineer</i>	Jan 2015 - Mar 2016 <i>New York, NY</i>
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- Implemented AngularJS-based product UX and Java services for a financial news aggregator

## TECHNICAL SKILLS

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

**Databases:** PostgreSQL, MongoDB, Elasticsearch, Redis

**Frameworks:** Spring Boot, React, Expo, FastAPI, Flask

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

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

<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-controllers-for-k8s>