

SEAN LYONS

1144 Brookwood Ave ◊ Austin, TX 78721
(540) · 290 · 6284 ◊ lyonssp777@gmail.com

EDUCATION

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

EXPERIENCE

Favor <i>Senior Staff Software Engineer, Consumer Growth</i>	Nov 2022 - Present <i>Austin, TX</i>
--	---

- 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-driven recommendation system while improving app load times by 50%
- Led integration of third-party promotional tooling, decreasing CAC and unlocking new marketing tactics

Amazon Web Services <i>Senior Software Engineer, Managed Prometheus</i>	Jul 2021 - Nov 2022 <i>Austin, TX</i>
---	--

- 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%^{1 2}
- Refactored global service usage metering pipelines to improve reliability

Symbiont <i>Tech Lead</i>	Sep 2018 - Jul 2021 <i>New York, NY</i>
-------------------------------------	--

- 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

iHeartRadio <i>Senior Site Reliability Engineer</i>	Mar 2018 - Sep 2018 <i>New York, NY</i>
---	--

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

Commonbond <i>Senior Full Stack Software Engineer</i>	Mar 2016 - Mar 2018 <i>New York, NY</i>
---	--

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

FactSet <i>Full Stack Software Engineer</i>	Jan 2015 - Mar 2016 <i>New York, NY</i>
---	--

- 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

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

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