SEAN LYONS

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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*

EXPERIENCE

Favor — Nov 2022 - Present
Senior Staff Software Engineer, Consumer Growth — *Austin, TX*

· 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 — Jul 2021 - Nov 2022
Senior Software Engineer, Managed Prometheus — *Austin, TX*

· 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 — Sep 2018 - Jul 2021
Tech Lead — *New York, NY*

· 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 — Mar 2018 - Sep 2018
Senior Site Reliability Engineer — *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

Commonbond — Mar 2016 - Mar 2018
Senior Full Stack Software Engineer — *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

FactSet — Jan 2015 - Mar 2016
Full Stack Software Engineer — *New York, NY*

· 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

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[1] https://aws.amazon.com/blogs/opensource/speed-up-highly-available-deployments-on-kubernetes/
[2] https://github.com/aws/zone-aware-controllers-for-k8s