

SEAN LYONS

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EDUCATION

Clarkson University

B.S. in Computer Science & Mathematics
GPA: 3.85

Dec 2014

EXPERIENCE

Favor

Tech Lead, Consumer Growth

Nov 2022 - Present

Austin, TX

- Leading strategic projects to improve content recommendation and search result relevancy using Elasticsearch
- Driving key scalability initiatives improve app UX through redesign of critical legacy systems
- Responsible for broadly continuously improving developer productivity and system reliability with DORA
- Working with product and engineering leaders to determine the team roadmap
- Shipping Kotlin and PHP web services to grow the Favor consumer business

Amazon Web Services

Senior Software Engineer, Managed Prometheus

Jul 2021 - Nov 2022

Austin, TX

- Shipped code to globally available environments with a cellular architecture with AWS CDK
- Contributed to Cortex data plane scalability by improving time-series compaction speed with Golang
- Built Kubernetes controllers to speed up global data plane deployments using kubebuilder and envtest^{1 2}
- Refactored global event-driven metering pipelines to improve reliability with AWS CDK
- Operated in a robust on-call rotation centered on continuous improvement

Symbiont

Senior Software Engineer

Sep 2018 - Jul 2021

New York, NY

- Led implementation of a proprietary distributed database and consensus protocol written in Golang
- Implemented a reactive development framework to enable simulation testing
- Reduced CircleCI pipeline runtime by 75% with improvements to testing practices
- Developed automated Jepsen chaos testing suite in Clojure to test consensus protocol guarantees

iHeartRadio

Senior Site Reliability Engineer

Mar 2018 - Sep 2018

New York, NY

- Engineered migration to new observability platform based on Prometheus and Grafana
- Adopted Kubernetes-based deployment strategy for audio streaming infrastructure

Commonbond

Lead Software Engineer

Mar 2016 - Mar 2018

New York, NY

- Engineered event-driven auth and product backends with Kafka and Spring Boot
- Implemented continuous integration and deployment pipelines

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

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