

# SEAN LYONS

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## EDUCATION

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### Clarkson University

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

Dec 2014

## EXPERIENCE

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### Favor

*Tech Lead*

Nov 2022 - Present

*Austin, TX*

- Leading strategic projects improve semantic search with vectors in Elasticsearch
- Rearchitecting content recommendation relevancy and personalization using Elasticsearch and Machine Learning
- Building experimentation systems to balance the food delivery marketplace
- Collaborating with product leaders, stakeholders, and engineers to develop product roadmaps
- Continuously iterating on development processes to improve DORA metrics

### Amazon Web Services

*Senior Software Engineer*

Jul 2021 - Nov 2022

*Austin, TX*

- Contributed across all layers of the Amazon Managed Prometheus product
- Built Kubernetes controllers to speed up HA data plane deployments using kubebuilder and envtest<sup>1 2</sup>
- Refactored metering pipelines to enable more robust error handling and remediation

### Symbiont

*Senior Software Engineer*

Sep 2018 - Jul 2021

*New York, NY*

- Led implementation of a proprietary distributed database and consensus protocol
- Implemented a reactive development framework to enable simulation testing
- Reduced CI pipeline runtime by 75% with improved testing practices
- Developed automated Jepsen chaos testing suite

### iHeartRadio

*Senior Site Reliability Engineer*

Mar 2018 - Sep 2018

*New York, NY*

- Engineered migration to new observability platform consisting of Prometheus, Alertmanager, and Grafana deployments
- Modernized deployment tooling for audio streaming infrastructure

### Commonbond

*Lead Software Engineer*

Mar 2016 - Mar 2018

*New York, NY*

- Engineered event-driven auth and product backends
- Implemented continuous integration and deployment pipelines

## TECHNICAL STRENGTHS

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### Languages

Java, Kotlin, Golang, Python, Typescript, PHP, Clojure

### Platforms

Kubernetes, AWS, Spring Boot, Micronaut

### Tools

Elasticsearch, Kafka, PostgreSQL, DynamoDB, Redis, Terraform

### Specializations

Cell-based Architecture, Observability, Leadership, Experimentation

<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>