

SEAN LYONS

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

EDUCATION

Clarkson University

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

Dec 2014

EXPERIENCE

Favor

Lead Full Stack Software Engineer, Consumer Growth

Nov 2022 - Present

Austin, TX

- Leading mobile product development for e-commerce consumers in a cross-functional product engineering team
- Responsible for product architecture in a cloud microservice architecture deployed on Kubernetes
- Improved app load times by 50%, leading to an increase in user retention
- Led integration of a new third-party marketing tool, decreasing CAC and unlocking new marketing tactics
- Drove adoption of new release management processes, reducing company-wide change lead time

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 stack
- 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 SQS and AWS Cloudformation
- Operated in an on-call rotation for an AWS service with a 99.9% uptime SLA

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 simulation testing practices
- Developed automated Jepsen chaos testing suite in Clojure to test database consistency properties

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

Senior Full Stack 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>