SEAN LYONS

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EXPERIENCE

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

· Architected improvements to Elasticsearch result relevancy to improve top of funnel CTR by 10%
· Drove rearchitecture of ML-driven content recommendation system to improve app load times by 50%
· Optimizing consumer experiences with continuous feature experimentation and a/b testing
· Collaborating with product teams to coordinate technical roadmaps across teams working on marketing, search, and discovery
· Mentoring and aligning consumer engineering teams to enforce adoption of best practices

Amazon Web Services   Jul 2021 - Nov 2022
Senior Software Engineer, Managed Prometheus   *Austin, TX*

· Shipped software across the control plane and data plane for multiple AWS services with Java, Kotlin, and Golang
· Operated in OpenSearch on-call rotation for Amazon Managed Prometheus with a 99.9% uptime SLA
· Built custom Kubernetes controllers in Golang to speed up global multi-AZ deployments by 60% [1] [2]
· Contributed to OpenSearch Auto-Tune sharding architecture in Java and Kotlin

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

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*

TECHNICAL SKILLS

Databases: PostgreSQL, Elasticsearch, MongoDB, Redis
Frameworks: Spring Boot, Node.js, React, Expo
Tools & Platforms: AWS, Kubernetes, Docker, Prometheus, Terraform
Skills: Leadership, Service-oriented Architecture, API Design, A/B Testing
Languages: Kotlin, Java, Golang, Python, PHP, Typescript, SQL

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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