SEAN LYONS

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EXPERIENCE

Senior Software Engineer   Feb 2022 - Present
Mercury   *Austin, TX*

· Full-stack contributor to the Mercury Bank* user management platform
· Contributing to Mercury React web app and Haskell fintech platform

Tech Lead   Nov 2022 - Feb 2022
Favor   *Austin, TX*

· Implemented an AI content recommendation pipeline, increasing revenue and improving conversion rate
· Optimized typeahead search architecture, improving conversion by 10%
· Oversaw the engineering roadmap across 5 teams for a consumer food delivery mobile app
· Provided technical design for significant marketing technology initiatives
· Led architecture review for a service-oriented product architecture deployed on Kubernetes
· Collaborated cross-functionally to align and influence roadmaps across a team of 30 engineers

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

· Owned distributed systems to power AWS Managed Prometheus, a high-throughput service with 99.9% availability
· Built custom Kubernetes controllers in Golang to speed up global multi-AZ deployments by 60% [1] [2]
· Developed CI/CD pipelines to delivery software across all AWS regions and availability zones

Senior Software Engineer   Sep 2018 - Jul 2021
Symbiont   *New York, NY*

· Led implementation of a proprietary distributed database capable of handling thousands of transactions per second in Golang
· Reduced CI pipeline runtime by 75% with Bazel and improved testing practices

Senior Site Reliability Engineer   Mar 2018 - Sep 2018
iHeartRadio   *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

Early Experience   Jun 2013 - Mar 2018
· Commonbond: full stack software engineer [React, Java, MySQL]
· FactSet: full stack software engineer [AngularJS, Python, Perl, MySQL]
· MathWorks: software engineering intern [C++, Python]

EDUCATION

Clarkson University, B.S. in Computer Science & Mathematics   *Sep 2010 - Dec 2014*

TECHNICAL SKILLS

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