SEAN LYONS

 Austin, TX ✉ lyonssp777@gmail.com (540) 290-6284

EXPERIENCE

Tech Lead
Favor

Nov 2022 - Present
Austin, TX

· Led adoption and integration of third party tools, managing budgetary concerns and securing executive buy-in
· Spearheaded implementation of an ML content recommendation pipeline, increasing revenue and improving conversion rate
· Improved search result relevancy, improving conversion by 10%
· Leading architecture review for a service-oriented product architecture deployed on Kubernetes
· Collaborating with product teams to align and influence roadmaps across a team of 30 engineers
· Continuously improving development processes across teams to increase developer velocity

Senior Software Engineer
Amazon Web Services

Jul 2021 - Nov 2022
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
Symbiont

Sep 2018 - Jul 2021
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
iHeartRadio

Mar 2018 - Sep 2018
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

Senior Full Stack Software Engineer
Commonbond

Mar 2016 - Mar 2018
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

Early Experience

Jun 2013 - Mar 2016

· FactSet: full stack software engineer [AngularJS, Python, Perl]
· 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: 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