SEAN LYONS

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EDUCATION

Clarkson University *December 2014*
B.S. in Computer Science & Mathematics
GPA: 3.85

EXPERIENCE

Symbiont *smart contracts for decentralized finance* Sep 2018 - Present
Senior Software Engineer *New York, NY*

· Developing highly available and linearizable distributed ledger platform written in Golang
· Implementing Golang model-based testing for efficient bug discovery
· Deploying and monitoring systems running in on-prem and cloud Kubernetes clusters
· Developing Jepsen automated chaos testing suite using Clojure
· Enhancing build quality with Bazel

Golang / Distributed Systems / Clojure / CI / Kubernetes / Docker / Bazel

iHeartRadio *America's largest radio company* Mar 2018 - Sep 2018
Senior Site Reliability Engineer *New York, NY*

· Designed and executed migration to new observability platform with Prometheus, Alertmanager, and Grafana
· Built streaming infrastructure with Terraform and Ansible to decrease operational burden
· Enabled monitoring of live streaming activity with Prometheus
· Implemented push-button testing for live streaming infrastructure
· Advised intern project to detect over-provisioning of AWS resources

Golang / Prometheus / Terraform / Kubernetes / Docker / AWS / Chef / Ansible

Commonbond *online student lender and benefits provider* Mar 2016 - Mar 2018
Engineering Team Lead *New York, NY*

· Technical lead and architect for the CommonBond For Business platform
· Built one platform to support a suite of products with Java services and Kafka event streaming
· Built continuous integration and deployment pipelines for web services using GitLab
· Implemented activity-based security model to enforce tight access controls

Java / Scala / Kafka / Kubernetes / Docker / GitLab / MySQL / Microservices / Event Sourcing

Factset Research Systems *esteemed provider of financial analysis software* January 2015 - Mar 2016
Software Engineer *New York, NY*

· Developed high-impact financial news applications on a LAMP stack architecture
· Built a concurrent, fault-tolerant news aggregator in Perl to deliver daily financial news
· Built modern web applications using jQuery and Angular JS

Linux / Apache / MySQL / Perl / Javascript / jQuery / Angular JS