

SEAN LYONS

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EDUCATION

Clarkson University

B.S. in Computer Science & Mathematics

GPA: 3.85

December 2014

EXPERIENCE

Symbiont *smart contracts for decentralized finance*

Senior Software Engineer

Sep 2018 - Present

New York, NY

- Developing highly available and linearizable distributed ledger software in Golang
- Deploying and monitoring systems running in on-prem and cloud Kubernetes clusters
- Reduced CI pipeline duration by 75% at no cost to quality with improved testing practices
- Developed automated Jepsen chaos testing suite using Clojure
- Enhanced monorepo build time and reproducibility with Bazel

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

iHeartRadio *America's largest radio company*

Senior Site Reliability Engineer

Mar 2018 - Sep 2018

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*

Engineering Team Lead

Mar 2016 - Mar 2018

New York, NY

- Technical lead and architect for the CommonBond For Business platform
- Built a microservice Java platform coordinated by Kafka streams
- Built continuous integration and deployment pipelines for web services using GitLab
- Deployed highly available products using Kubernetes on EC2
- Implemented activity-based security model using Apache Shiro to enforce access controls

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

Factset Research Systems *esteemed provider of financial analysis software*

Software Engineer

January 2015 - Mar 2016

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

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