

# SEAN LYONS

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## EDUCATION

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### Clarkson University

B.S. in Computer Science & Mathematics  
GPA: 3.85

December 2014

## EXPERIENCE

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### Symbiont, Inc. *bleeding edge provider of distributed ledger technology*

*Senior Distributed Systems Engineer*

Sep 2018 - Present

New York, NY

- Individual contributor to the Symbiont node proprietary BFT consensus protocol
- Instituting low-level model-based testing for effective bug discovery
- Regularly reviewing academic literature for new ideas
- Migrated proprietary chaos testing suite to Jepsen

Golang / Clojure / CircleCI / Kubernetes / Docker

### iHeartRadio *America's largest radio company*

*Senior Site Reliability Engineer*

Mar 2018 - Sep 2018

New York, NY

- Oversaw design of and migration to new centralized PAG stack observability platform
- Modernized deployment of company streaming platform with Docker and Terraform to improve availability and operational ease
- Modernized monitoring of live streaming activity with Prometheus
- Implemented push-button testing for live streaming infrastructure
- Evangelized infrastructure and configuration as code
- Advised interns attempting to detect over-provisioning of resources in AWS

Golang / Prometheus / Terraform / Kubernetes / Docker / AWS

### Commonbond *online student lender and benefits provider*

*Engineering Team Lead*

Mar 2016 - Mar 2018

New York, NY

- Technical lead and chief architect for the CommonBond For Business platform
- Built a microservice-oriented platform in Java to support an enterprise product suite
- Designed an event-driven platform using Kafka to coordinate system workflows
- 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*

*Software Engineer*

January 2016 - 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
- Built modern web applications using jQuery and Angular JS

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