

## Cody A. Ray

(215) 501-7891  
talktome@codyaray.com

- Education** B.S./M.S. in Electrical Engineering, Drexel University, Philadelphia, PA, June 2011  
Undergraduate concentration in Telecommunications and Digital Signal Processing  
Graduate concentration in Controls, Robotics, and Intelligent Systems
- Employment**
- Staff Software Engineer**, Confluent, Inc, Mountain View, CA Aug 2020 - Present  
**Sr. Software Engineer**, Confluent, Inc, Mountain View, CA Feb 2019 - Aug 2020
- Chair the “API Council”, coordinating across 10+ product teams
  - Tech Lead for API and CLI teams; oversee product experience & architecture
  - DRI for “Independent Deployments” initiative, enabling high-velocity eng teams
  - Launching 6 APIs: 3 are GA—Metrics, REST Proxy v3, Partners, and 3 WIP—Cloud, Notifications, RBAC
  - Driving vision for unified Confluent API/CLI experience (cloud, k8s, on-prem)
  - Designed, launched, and drove Confluent Cloud CLI to 1000+ weekly users
  - Drove the adoption and implementation of feature flags / dynamic configuration
  - Consult on cloud security related matters (OAuth, API Keys, CSRF, Limits, etc)
- Sr. Site Reliability Engineer**, Confluent, Inc, Palo Alto, CA Oct 2017 – Feb 2019
- Architected and lead development for hosted Schema Registry and Connect S3
  - Built global cross-cloud/cross-k8s scheduling system for Confluent Platform
  - Championed Confluent’s cloud-first transition to biweekly releases across all teams
  - Bootstrapped the end-to-end system testing framework for Confluent Cloud
  - Created our initial watchdog alerting system for end-to-end problem detection
  - Worked with compliance, infosec, product teams to setup cloud on-call rotations
- Lead Dev-Ops Engineer**, PEAK6 Investments, Chicago, IL Oct 2015 – Oct 2017
- Designed, operated Elasticsearch/Logstash/Kibana stack with 500GB daily ingest
  - Developed HA Centralized Scheduling system built on StackStorm cluster
  - Orchestrated firm-wide rollout of RocketChat with auditing and chatops (hubot)
  - Maintained CheckMK/OMD, Graphite/Grafana monitoring stacks, trained users
  - Consolidated multiple GitHub Enterprises instances into one, administered GHE
- Dev-Ops Engineer**, Signal Digital, Chicago, IL Aug 2013 – Aug 2015
- Built a scalable distributed stats infrastructure with Suro/Kafka/KairosDB
  - Created and open sourced Agathon, a Cassandra cluster management tool
  - Developed a custom haproxy-based service mesh (before the concept existed)
  - Automated security group mgmt, mongo migrations, polyglot build/deploy
  - (Soon) Open sourced Infrastructure Manifest svc for OpenStack, Rackspace, AWS
  - Built an internal reporting app for client services’ use
- Software Engineer**, Signal Digital, Chicago, IL Aug 2011 – July 2013
- Integrated 15+ server-direct real-time data collection partners with Apache Camel
  - Helped launch 5 APIs: OAuth, Provisioning, Stats, Search-by-Markup, SSO
  - Lead the development of iOS and Android mobile SDKs
  - Developed cross-domain javascript privacy module embedded in 200+ sites
  - Created store-and-forward proxy to integrate real-time and batch systems
  - Designed and built queuing and pubsub systems on Redis, replacing RabbitMQ

**Engineering  
Skills**

Languages: Golang, Python, Java, Node.js, Ruby, PHP  
Technologies: Kubernetes, Terraform, GRPC, OpenAPI, Kafka,  
SQL, Cassandra, Elasticsearch, Mongo, Redis  
Clouds: AWS, GCP, Azure (Limited), Heroku  
Specialties: Scalable distributed systems, cloud architecture

(215) 501-7891  
talktome@codyaray.com