Cody A. Ray

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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

Sr. Software Engineer, Confluent, Inc, Mountain View, CA　　Feb 2019 - Present
- 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 Elasticearch/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

Recommendations: linkedin.com/in/codyaray　　Code samples: github.com/codyaray