

Cody A. Ray

5645 W 63rd Place
Chicago, IL 60638
(215) 501-7891

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, GPA 3.3	
Employment	Dev-Ops Engineer , PEAK6 Investments, Chicago, IL	October 2015 – Present
	<ul style="list-style-type: none">• 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	August 2013 – August 2015
	<ul style="list-style-type: none">• Built a scalable distributed stats infrastructure with Suro/Kafka/KairosDB• Created and open sourced Agathon, a Cassandra cluster management tool• Developed dependency-based haproxy configuration management system• 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	
Leadership Activities	Software Engineer , Signal Digital, Chicago, IL	August 2011 – July 2013
	<ul style="list-style-type: none">• Lead the development of iOS and Android mobile SDKs• Developed cross-domain javascript privacy module embedded in 200+ sites• Created POC store-and-forward batching system (\$2500/mo/client, 2 years prod)• Helped launch 5 APIs: OAuth, Provisioning, Stats, Search-by-Markup, SSO• Integrated 15+ partners for server-direct real-time data collection• Designed and built queuing and pubsub systems on Redis, replacing RabbitMQ	
	Research Assistant , The ACIN Center, Camden, NJ	2007 – 2009
	<ul style="list-style-type: none">• Produced multi-agent system security issues and countermeasures white-paper• Prototyped transparent multicast communications security for Linux kernel in C• Explored group-wise tactical edge networking using mDNS, SMF, XMPP	
Computer Skills	President , Drexel Smart House, Philadelphia, PA	2009 – 2011
	<ul style="list-style-type: none">• Led renovation effort to transform historic home into “living laboratory”• Established technology incubator in collaboration with faculty, staff, and industry• Awarded three Federal research grants totaling \$160,000 and yielding two patents• Courted donors which later resulted in \$1.1 million donation• Spun-off two technology companies focused on sustainable, healthy living	
	<u>Languages:</u>	Java, Node.js, Objective-C, PHP, Python, Ruby
	<u>Datastores:</u>	Cassandra, Elasticsearch, Kafka, KairosDB, Mongo, MS SQL, MySQL, Redis
	<u>Software:</u>	Apache, Fabric, Git, Graphite, Puppet, Scribe, StackStorm, Suro, Tomcat
	<u>Libraries:</u>	Camel, Cucumber, EasyMock, Flask, Guava, Guice, Jersey, Maven, Mockito, Nose, Riot, RSpec, Sinatra, Storm, Trident, Vows.js, xUnit
	<u>Clouds:</u>	AWS (Admin), Heroku, OpenStack, Rackspace

Recommendations: [linkedin.com/in/codyaray](https://www.linkedin.com/in/codyaray) Code samples: github.com/codyaray