

# Cody A. Ray

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<b>Education</b>	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	
<b>Employment</b>	<b>Dev-Ops Engineer</b> , PEAK6 Investments, Chicago, IL	October 2015 – Present
	<ul style="list-style-type: none"><li>• Designed, operated Elasticsearch/Logstash/Kibana stack with 500GB daily ingest</li><li>• Developed HA Centralized Scheduling system built on StackStorm cluster</li><li>• Orchestrated firm-wide rollout of RocketChat with auditing and chatops (hubot)</li><li>• Maintained CheckMK/OMD, Graphite/Grafana monitoring stacks, trained users</li><li>• Consolidated multiple GitHub Enterprises instances into one, administered GHE</li></ul>	
	<b>Dev-Ops Engineer</b> , Signal Digital, Chicago, IL	August 2013 – August 2015
	<ul style="list-style-type: none"><li>• Built a scalable distributed stats infrastructure with Suro/Kafka/KairosDB</li><li>• Created and open sourced Agathon, a Cassandra cluster management tool</li><li>• Developed dependency-based haproxy configuration management system</li><li>• Automated security group mgmt, mongo migrations, polyglot build/deploy</li><li>• (Soon) Open sourced Infrastructure Manifest svc for OpenStack, Rackspace, AWS</li><li>• Built an internal reporting app for client services' use</li></ul>	
<b>Leadership Activities</b>	<b>Software Engineer</b> , Signal Digital, Chicago, IL	August 2011 – July 2013
	<ul style="list-style-type: none"><li>• Lead the development of iOS and Android mobile SDKs</li><li>• Developed cross-domain javascript privacy module embedded in 200+ sites</li><li>• Created POC store-and-forward batching system (\$2500/mo/client, 2 years prod)</li><li>• Helped launch 5 APIs: OAuth, Provisioning, Stats, Search-by-Markup, SSO</li><li>• Integrated 15+ partners for server-direct real-time data collection</li><li>• Designed and built queuing and pubsub systems on Redis, replacing RabbitMQ</li></ul>	
	<b>Research Assistant</b> , The ACIN Center, Camden, NJ	2007 – 2009
	<ul style="list-style-type: none"><li>• Investigated agent system security issues and countermeasures</li><li>• Prototyped transparent multicast communications security service</li><li>• Explored group-wise tactical edge networking using mDNS, SMF, XMPP</li></ul>	
<b>Computer Skills</b>	<b>President</b> , Drexel Smart House, Philadelphia, PA	2009 – 2011
	<ul style="list-style-type: none"><li>• Led renovation effort to transform historic home into “living laboratory”</li><li>• Established technology incubator in collaboration with faculty, staff, and industry</li><li>• Awarded three Federal research grants totaling \$160,000 and yielding two patents</li><li>• Courted donors which later resulted in \$1.1 million donation</li><li>• Spun-off two technology companies focused on sustainable, healthy living</li></ul>	
	<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](https://github.com/codyaray)