

Hector Castro

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PROFILE

I am an engineering leader with an interest in building teams and helping them grow. I am primarily interested in remote opportunities, or those local to the Philadelphia area. I am willing to relocate, but only for the right role.

SKILLS

- **Languages:** Spanish, Bash, Go, Haskell, Python, Ruby, Scala
- **Web Frameworks:** Akka HTTP, Django, Flask, Rails
- **Infrastructure Management:** Ansible, Chef, Docker, Packer, Terraform, Vagrant
- **Operating Systems:** Linux (Amazon Linux, Ubuntu), macOS
- **Distributed Systems:** Amazon Batch, Amazon ECS, Amazon EMR, Amazon Lambda, Spark, Hadoop
- **Data Stores:** Accumulo, Cassandra, HDFS, Memcached, MySQL, PostgreSQL, Redis, Riak, Solr

EXPERIENCE

Vice President of Engineering, Azavea; Philadelphia, PA January 2017–Present

- Assisted in hiring software engineers and product managers across several teams.
- Formalized an engineering ladder to create clarity in a growing engineering organization.
- Improved hiring practices by introducing an apprenticeship program, engineering assessment, and on-site interview loop.
- Standardized project bootstrapping, testing, and deployment scripts with a variant of GitHub's Scripts to Rule Them All.
- Instituted an incident post-mortem process to catalog and remediate production issues in a blameless manner.

Operations Engineer, Azavea; Philadelphia, PA July 2014–January 2017

- Assembled organization's first web operations team.
- Built core Terraform and Ansible modules used across all applications.
- Helped introduce blue/green deployment techniques to mitigate deployment incidents.
- Shifted away from Amazon Machine Image (AMI) based deployments to container image based deployments on Amazon Elastic Container Service (ECS).

Developer Advocate, Basho Technologies; Cambridge, MA January 2013–July 2014

- Engaged in technical pre-sales conversations with companies across the United States.
- Maintained Chef cookbooks for Riak and Riak CS.
- Built tooling for Docker, Datomic, Omnibus, and Vagrant to support the Riak ecosystem.

Programmer/Analyst, Wharton Research Data Services; Philadelphia, PA June 2010–January 2013

- Automated existing data preparation and publishing processes.
- Rewrote a significant portion of system documentation to improve maintainability.
- Rebuilt a product's full-text search feature with Solr and Amazon Web Services.

Software Engineer, Wharton School; Philadelphia, PA August 2008–June 2010

- Met faculty and PhD research demands using a wide variety of languages and platforms.
- Delivered several technical presentations to spread awareness of emerging technologies.
- Helped drive open source software initiatives to decrease IT costs and maintain quality.

COMMUNITY INVOLVEMENT

Co-organizer, Philly DevOps; Philadelphia, PA July 2012–December 2015

- Helped recruit speakers, panel moderators, and attendees.
- Facilitated discussion during reading group sessions.

Volunteer, Coded by Kids; Philadelphia, PA October 2015–June 2016

- Led students through basic web development courses and projects.
- Streamlined student and volunteer on-boarding processes with virtual email accounts.
- Rewrote volunteer on-boarding documentation.

Volunteer, Philly ETE; Philadelphia, PA September 2014–April 2017

- Helped recruit speakers for the infrastructure track.
- Instituted an Opportunity Grant program for members of underrepresented groups.

Co-organizer, Philly DevOps; Philadelphia, PA July 2012–December 2015

- Started the first DevOps focused user group in Philadelphia.
- Worked to grow a community for individuals interested in bridging the gap between development and operations.

EDUCATION

Temple University, Philadelphia, Pennsylvania — B.S., Computer Science, 2007