

## Jonathan A. Bethune

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Setagaya-ku, Tokyo, Japan

### Introduction

I am an experienced software developer and data engineer from New York City.  
I have a decade of experience in variety of systems engineering and application development.  
My dream is to build software that makes the world a better place.

### Education

*Bachelor of Science*, English Education, New York University 2006  
*Electrical Engineering and Computer Science*, Engineering, Massachusetts Institute of Technology no degree  
*Master of Information Systems*, University of Phoenix 2014

### Work History

**Software Developer**, Knewton, New York City April 2010 - September 2014

- Wrote application code for Java microservices.
- Created infrastructure deployment and monitoring tools in Python.
- Served for a year as QA Engineer and wrote integration test service.

**Lead Systems Engineer**, Timehop, New York City November 2014 - August 2015

- Managed AWS infrastructure including RDS, EC2, and DynamoDB services.
- Served as Site Reliability Engineer responding to alerts and preventing outages.
- Created various infrastructure tools using Go and Chef.

**Senior Devops Engineer**, Cloudpassage, San Francisco August 2015 - Present

- Optimized multiple Cassandra clusters and created tools for big data analysis.
- Improved scalability and helped reduced AWS costs via data model auditing and automation.
- Automated numerous maintenance and deployment tasks using BASH and Chef.

### Independent / Open Source Projects / Volunteer Work

**Remote CS Teaching for Kentucky High School** Fall 2013 - Summer 2014 (Volunteer)

### Technical Skills

*Languages:* Python, BASH, Java, C, C++, Ruby, Scala, Go, Haskell  
*Data Science:* Octave, R, Spark, Machine Learning, ELT, Storm  
*Ops:* Unix, AWS, Cassandra, PostgreSQL, MySQL, Chef, Redis, Docker

### Other Skills

*Foreign Languages:* Japanese, Mandarin, Spanish (basic)  
*Editing:* Copy Editing, Technical Writing, Teaching

### Links

*Linkedin:* <https://www.linkedin.com/in/jonathan-bethune-27ba3331>  
*Github:* <https://github.com/therenegadeoffunk>

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<sup>†</sup>Source code available at <http://github.com/TheRenegadeofFunk/>