

## Mike Dillion

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### CONTACT INFORMATION

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### EMPLOYMENT

#### **Knotel**

Senior Data Engineer

November 2018 — Present

- Property entity resolution, geospatial, data warehousing.

#### **Corteva Agriscience (a DowDuPont division)**

Senior Data Engineer

April 2018 — September 2018

- Added scheduling and subscriptions to a spatiotemporal remote sensing data ingestion platform.
- Stack: Python, PostGIS, Django Rest Framework, Zappa. AWS Fargate, API Gateway, Lambda, SQS.

#### **Driftwood Laboratories**

Partner

March 2017 — Present

- Designed and developed a market segmentation analysis platform focused towards small businesses and regional markets.
- SaaS solution uses Rails, a Python ETL pipeline, and Spark for analysis.

#### **Enigma**

Data Engineer

August 2015 — February 2017

- Expanded a Python ETL framework with patterns and experiences gained from ingesting thousands of datasets from a broad range of sources.
- Deployed data infrastructure product stack inside client networks and worked in concert with counterparts to ingest private data.
- Developed tooling to provide complete and robust metrics for project management of data ingestion.
- Worked on several engagements with clients such as Merck Group and Two Sigma.

#### **CirrusMio**

Software Engineer

September 2013 — August 2015

DevOps Engineer

June 2012 — February 2013

- Developed Chef cookbooks and infrastructure used to develop, provision, deploy, and scale Rails web applications.
- Practiced and advocated DevOps principles of shared responsibility and ownership during all phases of product development.
- Designed and implemented in-house solutions for continuous testing and integration of Rails web applications.
- Developed several Rails microservices for single sign on, geospatial, and payment to be utilized by current and future web applications.

- Developed, marketed, and launched a local business engagement platform for #GivingTuesday, the international day of giving.
- Clients: Pivotal, Lexmark International, Piston Cloud Computing

**Blue Frame Technology (Volar Video)**

Infrastructure Engineer

February 2013 — September 2013

- Designed, deployed, and maintained product infrastructure for a nation-wide streaming platform using Chef.
- Developed pipelines for ingesting and analyzing player metrics and platform performance.
- Transcoded and migrated 40 TB of legacy video content from local co-location to AWS.
- Migrated several legacy web products from disparate data centers to AWS.

**University of Kentucky, College of Arts & Sciences, The Hive**

Student Developer

February 2011 — June 2012

- Collaborated with Arts & Sciences graduate students and faculty to develop web-based applications to present and support their research efforts.
- Developed Drupal extensions and integrations for the college's multi-tenant portal.
- Added features and maintained an in-house technical support ticketing system built with C# and ASP.net.

EDUCATION

**University of Kentucky**

B.S., Computer Science

Minor in Mathematics

Lexington, KY

August 2012

PROFESSIONAL  
AFFILIATIONS

**GeoNYC** — NYC Geospatial Meetup group

Co-Organizer

December 2016 — March 2017

**maptimeNYC** — maptime Chapter

Co-Organizer

September 2015 — March 2017

**maptimeLEX** — maptime Chapter

Co-Organizer

Winter 2014 — September 2015

**OpenLexington** — Code for America Brigade

Civic Hacker

Co-Captain

2012 — Present

Fall 2014 — September 2015

**ACM** — UK Student Chapter

Treasurer

Fall 2011 — Fall 2012

**Collexion** — Local Hackerspace

Founding member

February 2008 — September 2015

SPEAKING

**Digital Currencies Before the Advent of Bitcoin**

Presented at the Lexington Blockchain Meetup

November 2017

**Introduction to Turf.js**

Given at MaptimeLEX and MaptimeNYC meetups

September 2015

**Guest Lecture on Distributed Version Control**

University of Kentucky, Graduate Software Engineering, CS 616

February 2015

**♪ (Git)ting to know you, getting to know all about Git! ♪**

Two-hour talk and workshop open to the community

November 2014

VOLUNTEERING

**Big Brothers Big Sisters of the Bluegrass**

Big Brother

November 2014 — September 2015