

# NATHAN KISIN

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Brooklyn, NY 11215

(301) 828-6942

## TECHNICAL SKILLS

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- Python, Scala, Golang, Shell Scripting, SQL, C, R, SAS, Matlab, Pig
- Spark, Presto, Airflow, Kubernetes/Docker, Kafka, Hadoop, MapReduce, Scalding, Hive, MySQL, PostgreSQL, MongoDB, REST APIs, gRPC, Yarn/Mesos, Azkaban, Amazon Web Services, Snowflake, DigitalOcean, Maven, SBT, Tableau/Looker, Mac OS, Unix, Linux

## EXPERIENCE

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### **DigitalOcean, New York, NY**

May 2018 – Present

#### *Data Engineer, Data Science Engineering*

- Team lead for Salesforce data ingestion; created gRPC service deployed on Kubernetes for other engineering teams to access sales-level data in real time.
- Architected and executed migration of internal SQL-compliant databases to managed data warehouse in Snowflake using Golang, Docker and Looker.
- Implemented Kafka consumer applications in Golang, deployed on Kubernetes.
- Contributed to custom dynamic DAG framework for Airflow in Python; improving developer efficiency and reducing time to ingest new data sources.

### **Showtime Networks, New York, NY**

January 2017 – May 2018

#### *Data Engineer, Business Intelligence*

- Designed and executed ETL process connecting Showtime's application data for ingestion into Showtime subscriber pipeline.
- Automated Showtime's financial billing reports utilizing Spark and Amazon EMR.
- Member of three-person BI development team, tasked with implementing Showtime's subscriber behavior into pipeline for financial and marketing usage.

### **PlaceIQ, New York, NY**

February 2014 – December 2016

#### *Data Engineer, Engineering*

- Constructed billing metrics pipeline for data service platform to run on Yarn, employing Scala (Scalding API) for use by data scientists and business analysts.
- Optimized audience analytic pipelines via PySpark, resulting in lower Amazon Web Service costs and faster runtimes.
- Automated post-campaign, third-party data measurement flows through Azkaban using various MapReduce frameworks (Python, Pig and Hive) and geospatial library, GeoLib.

#### *Data Analyst, Data Science*

- Utilized Spark on AWS to triage and diagnose ad serving campaign-related issues within 2-3 business days for client services, publisher operations, and account management.

### **U.S. Food and Drug Administration, Rockville, MD**

November 2009 – February 2014

#### *Statistician, Division of Planning & Evaluation Management*

- Presented predictive modeling of FDA advisory committee program performance to lead legal counsel as it pertains to budgetary and attendance metrics, leveraging SQL and SAS.

## EDUCATION

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### **Johns Hopkins University – Whiting School of Engineering**

July 2013

- M.S. in Applied & Computational Mathematics

### **University of Maryland, College Park**

May 2009

- B.S. in Mathematics & Economics
- Minor: Russian Studies

## ACTIVITIES/ACHIEVEMENTS

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Marathoner, avid traveler (25+ countries visited), camping, photography, Russian literature & poetry