

Illya Moskvin

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EXPERIENCE

Data Science & Analytics Lab, American Family Insurance

Data Engineer II

Remote

Oct. 2022–present

- Refactored complex ETL pipeline built with AWS S3, Lambda, Kinesis, Athena, Redshift, and Luigi.
- Refactored API gateway to query computer vision model services via RabbitMQ instead of gRPC.
- Tuned Kubernetes resource request/limits and KEDA autoscaling config to cope with increased load.
- Terraformed DataDog dashboards, setup alerts, and refined telemetry to improve observability.

Art Institute of Chicago

Senior Developer

Chicago, IL

Sept. 2021–Sept. 2022

- Created testing framework for API resources using PHPUnit.
- Refactored API imports to use queues and upserts, reducing import times by over 80%.
- Built subsystem that enables stakeholders to enrich API data and reconcile it with external datasets.
- Managed intern on an image recognition and deduplication project in Python.

Web Developer

Feb. 2017–Sept. 2021

- Created a data hub, which pipelines data from internal systems into a normalized, searchable API. Integrated API with website and mobile app. Documented API, orchestrated its usage among other teams, and released it to the general public.
- Owned AWS infrastructure maintenance. Consolidated institution's AWS services into one region. Collaborated with sysadmins to secure AWS infrastructure and connect it with on-prem network.
- Created Ansible recipes for provisioning EC2 servers and deploying applications. Implemented blue-green deployments, tuned autoscaling, integrated Sentry, and setup alerts to improve reliability.
- Launched major website redesign, built in Laravel. Developed numerous features for the museum's website, including a new digital publication platform, autosuggest, and search-by-color functionality.

IMA Lab, Indianapolis Museum of Art

Software Developer

Indianapolis, IN

Nov. 2015–Feb. 2017

- Helped develop, maintain, and sunset systems for a variety of clients in the cultural sector.
- Conducted outreach, training, workshops, and conference presentations.

Eskenazi Museum of Art, Indiana University

Web Developer, freelance

Bloomington, IN

Aug. 2013–Jan. 2017

- Developed online exhibits and in-gallery kiosks, including backend, frontend, and design.
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SKILLS

Langs Python, Bash; PHP, HTML, CSS (SCSS), JavaScript; SQL; Ruby, Lua, Arduino (C++)

Data Redshift, Kinesis, Athena, Glue, BigQuery, Luigi, Redis, RabbitMQ, Elasticsearch

Web Laravel, AngularJS, Django; Apache, NGINX

DevOps Kubernetes, Terraform, Docker, Ansible, Vagrant, Git, GitLab CI/CD

Misc. Linux, AWS, GCP, Jira, DataDog, Sentry, OpenTelemetry, OpenRefine, Postman

EDUCATION

Indiana University

Bachelor of Arts in Art History and Anthropology with Honors

Bloomington, IN

Aug. 2015