Elias Mendel

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EXPERIENCE

Warner Bros. Discovery (originally HBO Code Labs, Inc.)   January 2021 - June 2023, Remote
Software Engineer 2
- Scaled three ingestion services from 500 total pods in one region to 10,000+ pods across 5 clusters in different regions with hundreds of nodes.
- Improved data pipelines and storage solutions as data throughput scaled from gigabytes a day to terabytes a day, and stored data reached 10+ petabytes.
- Shifted data pipelines from SQS S3 to Kafka. Limited the impact of leader reelections as clusters scaled and unscaled, managing a latency SLA of 30 seconds and average latency of 1 second.
- Built an event viewer and validation tool that proxied real time traffic. Provided detailed information about requests, decoded headers and tokens, and validated against jsonschemas.
- Supported cluster upgrades and migrations, with writing Kubernetes, Terraform and Helm files.
- Built out data privacy functionality for GDPR and LGDP compliance in data ingestion process.
- Migrated the team from manual Grafana/Prometheus dashboards to dashboards as code.
- Served as On Call Engineer 24/7 every 4-7 weeks and led multiple incident responses and write ups.
- Created design proposals for new features and presented them to senior management.
- Ran stand-ups and specced out JIRA stories for new epics (features).

Le Pain Quotidien (PQ Licensing S.A.)   May 2019 - March 2020, New York, NY
Analytics Data Integration Developer
- Created a Central Data Warehouse (CDW) with daily ingestion of 130 multinational stores' data.
- Integrated three major Point of Sales systems into the CDW as well as relevant vendor databases.
- Set up and ran all production code in terraformed EC2 instances and Lambda functions.
- Automated labor collation for payroll and invoice importing, saving 96 GM's an hour a day.
- Provided data analytics and visualization help for finance and marketing.

LiveStories (GEOCKO, INC.)   June 2018 - August 2018, Seattle, WA
Data Science Intern
- Responsible for ingestion, interpretability, and quality of government financial data for LiveStories.
- Built their first ML analytics tool to predict crime hotspots based on demographics, achieving 85% accuracy and an AUC of 0.71 using a gradient boosting decision tree.

Porch.com, Inc.   January 2018 - June 2018, Seattle, WA
Software Engineer Intern - Sponsored Capstone for Informatics
- Developed a lawn area predictor service using a Python with Flask backend and React.js frontend.
- Used Google API's, Government data, GIS packages, and Computer Vision to isolate and determine the size of a property's lawn to within 20%, allowing pricing based on lawn area instead of lot size.

EDUCATION

University of Washington, School of Information   Seattle, WA
Bachelor of Sciences, Informatics   September 2014 – December 2018
University College London, Department of Computer Science   London, United Kingdom
Study Abroad   September 2016 - June 2017

SKILLS

Cloud Platforms - AWS | EC2, S3, RDS, Lambda, Boto3, SQS, ALB
Programming Languages - Python, SQL, JS, Node.js, React.js, Java, R
Technical Competencies - Git, Docker, Terraform, Snowflake, Kubernetes, Kafka, Grafana, Prometheus
Work Authorization: US Citizen, Gold Card (Taiwan)