Daniel Gultom

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Work Experience

Meta - AI Infrastructure   April 2022 – February 2025

Software Engineer – New York City, NY
- Core Training | Lead error propagation and classification efforts for the Caffe2 Training stack, raising error attribution and classification rates by 50%. Collaborated with dozens of teams across different teams to root cause complex errors across AI training. Impact: faster error triaging, more accurate metrics across all AI Infra teams.
- Owned bulk eval (training loop for intermediate values) after handoff, debugged issues to unblock EOY model release.
- Fixed outages caused by Apache Zookeeper memory capacity. Improved cleanup program to delete stale nodes, capacity usage remains below 5% of the 50GB limit per region. Impact: what originally caused at least 4 training outages in the previous year never happened again due to my changes.
- Created various tooling to improve error classification adoption, i.e. a Python decorator that ensures proper owners, categories, and retry settings for errors. Impact: these tools have been used by dozens of other engineers, and have saved thousands of hours of compute cost by limiting useless retries.
- Organized Fixathon to add coverage to 100% of Caffe2 Training codebase errors to properly triage to the right oncalls.
- Lead monthly lunch & learn program in the East Coast AI Infra teams to foster in-person learning and collaboration.

DoorDash   January 2021 – April 2022

Software Engineer – New York City, NY
- Pickup | Owned projects and contributed to several services in **Kotlin** as a backend product engineer.
- Added popular items on the Pickup map from ETL pipeline to mobile back-end, adding *~1.04%* Pickup orders
- Added ETAs to Store Page, contributing ~2% Pickup conversion, fixed bugs to halve p95 latency on high-traffic endpoint.
- Initiated metrics migration and created monitored dashboards for core services with Chronosphere/Prometheus.
- Enabled Pickup promotion carousels on the home page, enabling est. +260k Pickup orders during initial promotion week.
- Migrated Pickup close order from monolith Django repository into newer service, owning almost every part including metrics.
- Implemented features to help customers discover new experimental Reservations vertical on DoorDash.

Amazon   May 2020 – August 2020

Software Engineering Intern – New York City, NY (Remote)
- Created a brand new performance analytics dashboard for Amazon sellers to manage and understand growth using React.
- Collaborated with product managers to develop the website's design and implement new features.
- Set up a development pipeline using internal tools to host the beta version of the site.
- Won 1st place at Alexa intern hackathon out of 75 teams, creating a one-stop-shop for interns' pre-onboarding tasks.

Amazon   September 2019 – December 2019

Software Engineering Intern – New York City, NY
- Sped up average query time for highly used Search Terms Dashboard by over 90% on Selling Partner Analytics Team.
- Refactor back-end data pipeline from **AWS Redshift** to **Elasticsearch**, using tools such as **AWS EMR, Hive, Spark/SparkSQL.**
- Improved customer query results by utilizing Elasticsearch functionalities, optimizing query for relevance.
- Created functionality to query different data sources by different dates, reducing costly need for data backfill.

ThousandEyes (now Cisco)   June 2019 – August 2019

Software Engineering Intern – San Francisco, CA
- Designed, built, and deployed software to automate core site reliability operations.
- Implement REST API in **Java Spring Boot**, personalized build scripts for **Docker, Kubernetes** for CI/CD.
- Secured application with **OAuth2**, handle data transactions with **MySQL** and **MongoDB.**

CooperVision   June 2018 – August 2018

Front-End Web Developer Intern – Pleasanton, CA
- Implement automated functional testing to catch development/production bugs and improve SEO.

Skills

Experienced: Kotlin, Java, Python, Javascript/React, Elasticsearch, SQL, AWS, R, Node, HTML, CSS, Bootstrap.

Education

UC Berkeley – Computer Science B.A.   August 2017 – December 2020