

Omar Mirza

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EDUCATION

B.A. Computer Science, Queens College, Queens, NY

2020

SKILLS

- **Programming Languages:** Python, SQL, Bash, Java, JavaScript
- **Frameworks / Libraries:** GraphQL, pytest, Django, Flask
- **Cloud & Container Orchestration Tools:** AWS, Docker, Kubernetes, Helm, Terraform, Tilt, Kind, CircleCI
- **Misc:** Git, AWS, Linux, PostgreSQL, Keycloak, Grafana, Loki, Prometheus

EXPERIENCE

SONY AI, Remote

April 2023 -

Platform Engineer

- Worked on the backend of a distributed MLOps platform used by multiple research scientists across multiple individual global teams. Extensive use of python, terraform, helm, and kubernetes
- As a member of a three-man backend team, I personally designed and implemented the following:
 - Python microservice to build local s3 index to efficiently query petabytes of experiment artifacts (AWS SQS)
 - Flask proxy deployed as a sidecar to hasura engine. Facilitates outdated client communication by translating old graphql queries to match new schema.
 - Admin cli/db tooling to allow team leads to start/stop experiments belonging to associated researchers
- Collaborative implementation with other backend engineers on a major backend redesign to integrate a new source of gpu compute under a strict deadline

HORIZON MEDIA, Remote

Jan 2022 – April 2023

Software Developer

- Worked with data scientists to build Django REST API utilizing polynomial regression to provide clients with accurate budget recommendations (Deployed using AWS ECS and AWS Lambda)
- Maintained and developed internal python libraries to streamline API calls to various advertising platforms
- Developed tools used to alert advertisers of improperly served ads (wrong location, suspended campaigns)
- Pioneered github actions usage to bring automated testing, linting, and deployment to our team's products.
- Normalized database and rewrote queries using Django ORM to make prototype code production-ready

ESTEE LAUDER COMPANIES, Remote

Jun 2021 – Jan 2022

QA Test Automation Engineer

- Manual and automated test execution and development of B2B site using taiko, lambdatest in an agile team of 5

INFOSYS, Remote

Feb 2021 – Jan 2022

Associate Developer

- Certified Infosys Java Developer, Certified in Java, Angular and Spring frameworks

MILLER & COMPANY LLP, Queens, NY

Jul 2020 – Jan 2021

Information Technology Engineer

- Developed Python scripts used for backup data management and data entry automation
- Created automated invoice building tool using Python and jinja2

VP RECORDS, Queens, NY

Mar 2018 – Aug 2018

Intern

- Designed and implemented pipeline to create pages with Spotify and YouTube integration from release database