

Mohamed Tayeh

mohamedtayeh.com • Toronto, ON

Skills

- **Languages:** Python, TypeScript, JavaScript (ES6), Java, HTML5, CSS3, SCSS, C, SQL, R, Bash
- **Frameworks:** Django, NodeJS, React, Angular, Redux, Express, Jest
- **Protocols:** REST, GraphQL, gRPC, HTTP/1.1, HTTP/2, Websocket, TCP/IP protocols
- **Databases:** PostgreSQL, MongoDB, Neo4j, PGAdmin
- **Cloud:** Docker, AWS, GitHub Workflow, Git, CI/CD, DigitalOcean, Nginx

Work Experience

GrafGas - grafgas.com

September 2021 – Present

Full Stack Developer & DevOps (part-time)

Remote

- Developed and designed gas station **ETL pipeline** that parses and digests live data running for **14 months**
- Led the design **schema design** of **PostgreSQL database** and **20+ Python Django REST APIs**
- Deployed website on **AWS** using **EC2, CloudFront, S3, VPC, Route53, RDS**, etc.
- Building a **TCP/IP server** to handle a closed **network protocol** for OBD-II devices

Temerity Analytics Inc. - temerityanalytics.com

May 2020 – August 2021

Full Stack Developer

Toronto, ON

- Temerity Analytics is a marketing analytics startup, I worked with **Angular** and **Django** in an **agile** team
- Refactored, documented and tested over **100 Python Django REST APIs** to boost **speed** by **70%**
- Created a **reusable Google Maps wrapper** used in **8 pages** throughout the platform
- Developed and designed **2 pages** (frontend components and API's) deemed **essential** by **clients** and **CEO**
 - Designed the components based on marketing statistical knowledge seen as **unique** and **insightful**
 - Developed reusable components for data filtering and charts that depend on Google Map navigation
- Proposed a **new QA procedure**, leading to **weekly uncovering of bugs** and **more stable code base**
- Proposed and developed **documentation project** to improve service documentation for clients, and coding practices for the development team.

Projects

Twitch Chat Bots & Overlays - tvt/mohcitrus

September 2021 – Present

- Twitch translator chat bot in **NodeJS** and **microservices docker architecture** with **gRPC** and **websockets**
- Deployed chat bot on **DigitalOcean** with **GitHub Workflow**, and is currently being used by **130+ streamers**
- Designed with **Figma** and developed twitch overlays with **vanilla JS** used by **30+ streamers** for chat interaction

Datalytic - datalytic.ml (user: data & password: data)

May 2022 – August 2022

- A dashboard platform targeting business owners on to aggregate and analyze their review app and social media feedback using Natural Language Processing
- Led content and **UI/UX design** of the dashboard
 - Designed charts based on metrics appealing to content creators and small business owners
 - Led **React code architecture** to easily and efficiently use reusable components
- Developed features and reusable components in **React** and **Express**:
 - Created a reusable ML API wrapper to **integrate 3rd party Machine Learning NLP API**
 - Built user authentication using session based authentication and reusable chart components
 - Integrated **3rd Party YouTube API** to create an **ETL data pipeline**
- Deployed website using **GitHub Workflow**, **Docker** and **DigitalOcean virtual machines**

COVID-19 Vaccination Tracker - covid.mohamedtayeh.com

March 2022 – May 2022

- This project aimed to simplify COVID-19 vaccination worldwide statistics visualization
- Used **React** and **GraphQL** to create **MongoDB database schemas**, **ETL data pipelines**, website **internationalization** and **reusable components for Google Maps 3rd Party API**
- Set up **sentry** and discord integration for **monitoring** on any production & ETL pipeline errors

Full list of projects with demo: mohamedtayeh.com/portfolio under Projects

Education

University of Toronto

August, 2018 – August, 2022

Honours B.S., Computer Science Major and Statistics Specialist (Machine Learning & Data Mining)

- cGPA: 3.80 (out of 4)
- Awards: [Lester B. Pearson Scholar](#) (full scholarship), Dean's List, Graduating with High Distinction