

Joseph Moussa | Software Engineer

New York, NY

(732)-421-7874 • joseph.moussa.dev@gmail.com

[Website](#) • [LinkedIn](#) • [Github](#)

Experience | **The Walt Disney Company** – *Software Engineer* *Feb 2020—Present*

Architect and engineer improvements and features turning tightly coupled, batch data processing architecture into scalable, modular, serverless, data streaming solutions within Amazon Web Services. Develop critical components on a Key Performance Indicator (KPI) Dashboard application allowing executives to gain insights into aggregated data from various content sources within the company in addition to building data pipelines to power the dashboard.

Tech Stack: Python, Apache Spark, Airflow, AWS, Qubole, and Git/Gitlab, Elasticsearch

Genomic Prediction – *Backend Developer* *Feb 2019—Feb 2020*

Implemented and automated analytical data pipelines via Amazon Web Services. Set up development, staging and production environments for core internal applications. Developed and launched RESTful APIs to integrate data pipelines into web portals.

Tech Stack: JavaScript, MySQL, Python, AWS, Docker, Jenkins and Git/Gitlab

Internet Creations – *Salesforce Developer* *June 2018—Feb 2019*

Developed full-stack Salesforce applications for high value clients. Communicated with multiple clients and internal project managers regularly throughout development. Conducted unit tests as well as QA analysis to ensure code quality and coverage.

Tech Stack: Apex, SOQL, Lightning, Visualforce and JavaScript

AT&T Labs – *Student Technical Intern I* *June 2017—Feb 2018*

Gained hands-on software development experience while contributing to the final Proof of Concept with a Bluetooth Low Energy (BLE) enabled-sensor use case for AT&T's Universal Customer Premise Equipment (uCPE) solution. Additionally outfitting the uCPE Whitebox server with its own network traffic generator (with VOIP traffic abilities) for future customer testing purposes. Stood-up a display TV for the AT&T Museum (in Middletown office) with its own self-hosted CMS on a raspberry pi.

Tech Stack: C (Arduino), PHP, HTML/CSS, Python, JavaScript

Skills	Backend	Frontend	Databases	DevOps/Tools
	Python	JavaScript	Redis	Git/Github/GitLab
	Node.js/Express	Svelte	MySQL	Amazon Web Services
	GoLang	Vue	PostgreSQL	Docker
	RESTful APIs	HTML/CSS/Sass	Elasticsearch	Kubernetes

Projects | **Crypto Aggregation API** [Github](#)

GoLang, Docker, Kubernetes, Microservices

Minimal content platform serving crypto news and (Twitter) information over gRPC microservices communicating behind a client-facing REST API.

Projects
(continued)

Stock Tracer [Github](#)

Python, FastAPI, PostgreSQL, VueJS

Full stack personal project with a Vue front-end to display an enhanced view of the Robinhood stock portfolio with interactive charts and lines for additional insight. Backend handles Robinhood and Yahoo Finance API queries for historical and user data, as well as user authentication.

S&P 500 Analyzer [Github](#)

Python, Pandas, SciKitLearn

Basic S&P 500 Analysis tool with local caching via pickle files. Web Scraper tool will fetch financial info on companies in the S&P 500. Graphs show moving averages, stock prices, volume sold, etc... over time. Includes rudimentary machine learning predictions off MACD and Signal Line triggers. (Also incorporated a lot of this back into Stock Tracer)

Education

Rutgers University

Sept. 2013—May 2018

BA: Information Technology & Informatics

Minor: Computer Science