Joseph Moussa | Software Engineer

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Website • LinkedIn • Github

Experience	

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

Architect and engineer improvements and features transforming tightly coupled, batch data processing architecture into scalable, modular, serverless, data streaming solutions within Amazon Web Services. Develop critical backend components and pipelines to custom dashboard applications allowing executives to gain insights into aggregated data from various content sources within the company.
Tech Stack: Python, Apache Spark, Airflow, AWS, Qubole, and Git/Gitlab, Elasticsearch, Snowflake/SQL

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 engineering experience while creating a 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

Stock Tracer Github

(continued) | *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