Joseph Moussa | Software Engineer

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Website • LinkedIn • Github

Experience

The Walt Disney Company – *Software Engineer*   *Feb 2020—Present*
- Primarily focused on backend data pipelining to support our data visualization platform
- Create and expand on in-house tools that streamline data pipelines through Qubole and other data sources
- Play a crucial role in developing a data platform visualization application allowing executives to compare Key Performance Indicators (KPIs) from all facets of Disney's media companies (ESPN, Hulu, NatGeo, etc.)
Tech Stack: Python, Apache Spark, Apache Airflow, AWS, Qubole, and Git/Gitlab

Genomic Prediction – *Backend Developer*   *Feb 2019—Feb 2020*
- DevOps: Implemented and automated analytical data pipelines via Amazon Web Services
- Set up development, staging and production environments for web applications
- Backend Development: Built RESTful APIs to integrate data pipelines to web portals
Tech Stack: JavaScript, MySQL, Python, AWS, Docker, Jenkins and Git/Gitlab

Internet Creations – *Salesforce Developer*   *June 2018—Feb 2019*
- Gathered requirements, and developed Salesforce applications
- Communicated with multiple clients and project managers regularly about ongoing tasks
- Conducted unit tests as well as QA analysis to ensure code quality and coverage
Tech Stack: Apex, SOQL, Lightning, Visualforce and JavaScript

Skills

Backend	Frontend	Database/ORMs	DevOps/Tools
Python	JavaScript	SOQL/SOSL	Git/Github/GitLab
Node.js/Express	Angular	MySQL	AWS
Java	React/JSX	Sequelize	Docker
RESTful APIs	HTML/CSS/Sass		Jenkins

Projects

S&P 500 Analyzer Website Github
Python, Pandas, SciKitLearn
- Basic S&P 500 Analysis tool complete with:
- Local caching via pickle files
- Web Scraper to get financial info on all 500 companies in the S&P
- Graphing (Moving averages over stock prices, volume sold, etc.)
- Rudimentary machine learning predictions

Simple Chat Room App Github
Python, FastAPI, MongoDB, WebSocket
- Personal project using Python's FastAPI, WebSockets and a MongoDB database
- WebSockets maintain an instant messaging chat
- MongoDB holds the user's personal info and chat logs

Education

Rutgers University   *Sept. 2013—May 2018*
BA: Information Technology & Informatics
Minor: Computer Science