

AJANI MOTTA

Full Stack Developer

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[LinkedIn](#)

[GitHub](#)

EDUCATION

[University of Pennsylvania](#)

B.A. Computer Science,
Cognitive Science (3.4 GPA)
2016 – 2020

SKILLS

Programming Languages

JavaScript

Python

Java

Frameworks

Express

React

Flask

Vue

Technologies

Git, AWS, Heroku,

Third-Party APIs,

Celery, Visual Studio Code

Coursework:

Data Structures & Algorithms,
Software Design/Engineering,
Scalable and Cloud Computing,
Database and Information Systems

WORK EXPERIENCE

[Demia](#) - Software Engineer

Sep 2020 - Present

- Full-stack web/mobile application development using Python in a Flask framework with NativeScript-Vue on frontend.
- Responsible for API design and implementing user-facing features across both backend and frontend on a platform for 200+ users.
- Working with an agile team to help prioritize and scope feature requests to ensure the most impactful features are worked on first.

Viora Health - Software Engineer Intern, iOS

Jun 2019 – Aug 2019

- Full-stack mobile application development under senior iOS engineer.
- Transformed calorie tracking implementation from static CSV mapping to dynamic food search functionality, using third-party API integration.
- Managed app prototyping using Sketch and Invision, with a client-feedback rating of 91% (surveyed over 100 people).
- Used RDBMS Back4App to store and query user data with Parse iOS SDK.

PROJECTS

SelaProduce— NodeJS, React, NextJS

Dec 2020 – Present

- Nearing deployment of music production marketing/e-commerce web platform.
- Utilizes AWS S3, DynamoDB & SendGrid API for audio file storage/distribution and third-party API integration (YouTube-subscription verification; Stripe- payments).

FPL Analytics Dashboard – Python, Django, Bokeh, HTML, CSS

Jan 2020 – Mar 2020

[GitHub](#), [Live site](#)

- Created an effective and interactive web-based visualization system for Fantasy Premier League data for in-depth analysis.
- Used Selenium and BeautifulSoup to scrape for ~45,000 additional data metrics to supplement open-source data repo, which allowed for positional data analysis.
- Optimized loading time by 67%, outputting table inputs into csv files through weekly pre-computation.
- Used NumPy and Pandas libraries for data table manipulation and analysis and Bokeh for interactive data visualizations.

Spotify Web-App – NodeJS, React, HTML, CSS

Mar 2020 – May 2020

[GitHub](#), [Live site](#)

- Built a single-page application to track Spotify listening habits and customize playlist curation.
- Utilized Redux state object to manage client information/input to enhance user experience.
- Created a proxy server (NodeJS + Express) for CORS configuration, handling client-driven API requests.