

# Jennifer Lopez



## Education

New York University, B.A. Computer Science

Dec 2021

Coursework: Data Structures, Computer Systems Organization, Discrete Math, Operating Systems, Open Source Development, IOS, Web Design & Development, Applied Internet Technology, Basic Algorithms, Agile & DevOps

## work experience

### Software Engineer - American Express

Feb 2022 - Present. New York.

Java      Apex      LWC

- Integrated Internal Merchant API into Real-time Spend Alerts app to prevent service interruption due to decommissioned merchant data from SOR.
- Implemented Round Robin Scheduling for Internal Meeting app that allows our sales team to increase their availability to Customers/Prospects and minimize burnout by distributing appointments equitably across the team.
- Contributed to the Innersourcing of Internal Meeting app, enabling teams to reuse it for their own use case.

### Software Engineer Intern - American Express

Jun 2021 - Aug 2021. Remote.

Go      Terraform      Crossplane

- Explored IaC (Infrastructure as Code) solutions to determine the feasibility of creating recipes that automates the CI/CD process for developers.
- Developed custom terraform and crossplane providers using Go to serve as proof-of-concepts, projected to reduce deployment time by at least 90%.

### Software Engineer Intern - PagerDuty

Jan 2021 - Apr 2021. Remote.

Elixir      EmberJS      MySQL      Terraform

- Built terraform modules that provisioned AWS resources (e.g., S3, RDS, ElastiCache, Elasticsearch) for several microservices across EU data centers.
- Enhanced team visibility on API usage and bugs by increasing logging and metrics monitoring via Datadog and Sumo Logic.
- Set up API permissions check and implemented the UI for new anomaly detection feature that will help customers better triage and respond to incidents.
- Received honorable HackWeek mention from company executives on docDuty – an initiative designed to centralize engineering documentation to increase developer productivity.

## Projects

### FoodwithFriends

Collaborated on web app designed to connect individuals with restaurants that meet their dietary preferences.

### FlixBox

Built web app that makes choosing a movie to watch with family & friends seamless.

### Utrend

Utilized Swift to create an iOS app that enables users to create and share outfits with others. Intended to reduce overbuying and to promote the sustainability of what users already own.

## Extracurricular Activities

### Tech@NYU

- Founded and led a diversity program that aims to connect, support, and empower Black and Latine students at NYU as they navigate careers in tech.
- Built and maintained the org's website.

### CodePath

- Participant in Intermediate Software Engineering course that helps prepare for technical interviews.
- Participant in iOS course which involves designing and building fully functional apps in Swift.

## Tools & Technologies

Java      HTML      CSS      JavaScript      React  
Springboot      Node.js      Express      Apex  
LWC      Postman      Git

## Honors

Grace Hopper Scholar 2020, Rewriting the Code Fellow, CAS Dean's Honors List