

Jennifer Lopez



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Jen-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