Irving Lopez Serna

Software Developer, Back-end Focused, Technology Enthusiast

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I'm a software developer that enjoys designing systems, writing clean code, and learning new technologies. I am currently looking for new opportunities to work with amazing people that help me grow personally and professionally.

SKILLS

- Python, Java, C++, Go
- HTML, CSS, JavaScript, React (Front-end)
- Node.js, Django, Flask (Back-end)
- MySQL, PostgreSQL, MongoDB (Databases)

- IBM Cloud, Heroku, Firebase (PaaS)
- UNIX, Git
- CircleCI (CI/CD)
- Fluent in Spanish

EDUCATION

M.S. Computer Science – Manhattan College, NY   *August 2019 — May 2020*

- Neural Networks and Learning Systems
- Design and Analysis of Algorithms
- Linux Kernel Programming

- Computer Networking
- Cyber Security
- Data Mining

B.S. Computer Science, Mathematics & Business Minor – Manhattan College, NY   *August 2015 — May 2019*

- Web Development
- Database Systems
- Data Structures and Algorithms

- Cloud Computing and Virtualization
- Computer Organization
- Operating Systems

IBM Full Stack Cloud Developer by IBM on Coursera. Certificate earned at April 29, 2021

WORK EXPERIENCE

Assistant Building Manager – Pascol Realty Inc, Manhattan, NY   *May 2019 — Present*

- Tasked with collecting rent and handling building's finances regarding payroll and utilities
- Coordinated all building maintenance, development, and construction associated with daily operations
- Managed tenant relations and resolved inquiries from residents regarding daily living

ITS Operations – Manhattan College, Bronx, NY   *August 2015 — May 2016*

- Handled issues college students and faculty faced regarding computers and network
- Supported the ITS manager with configuring and maintaining various hardware and software systems
- Performed weekly check ups on all campus smart labs to ensure their performance for in-lecture use

SOFTWARE PROJECTS

Resume API

- Built a REST API that, when called, returns my resume in a JSON format. To test in a terminal:

  ```
  $ curl -L resume.irvinglopez.xyz
  ```
  Skills Used: Golang, Terraform (IaC), AWS Lambda, CircleCI (CI/CD)

Spotify House Party

- Developed a web app where host users can create and manage rooms in which guest users can play, pause, and vote to skip the host's currently playing Spotify song. Hosts share their room code for other to join.
  Skills Used: Python3, Django Rest Framework, Javascript, React.js, Spotify API, Heroku (PaaS)

Car Dealership Review Site

- Create a website using IBM Cloud where users can signup/login to write reviews on dealerships. Sentiment of reviews are analyzed and given a happy, neutral, or sad face.
  Skills Used: Python3, Django, IBM Cloudant, IBM Natural Language Understanding, IBM Cloud Functions

Toy BitTorrent

- Built a very basic version of BitTorrent where files can easily be shared between local machines.
  Skills Used: Python3, Socket & AsyncIO libraries

ACTIVITIES

- **Member –** Association for Computing Machines, Chapter at Manhattan College, 2015-2019