

---

## KEY SKILLS

---

- |          |          |              |             |             |              |
|----------|----------|--------------|-------------|-------------|--------------|
| • Python | • DevOps | • Consul     | • Speech to | • FFmpeg    | • MySQL      |
| • AWS    | • Agile  | • Terraform  | Text        | • Grafana   | • Redis      |
| • Linux  | • CI/CD  | • Docker     | • RabbitMQ  | • New Relic | • PHP        |
| • RHEL   | • Puppet | • Kubernetes | • Git       | • Apache    | • Javascript |
- 

## EXPERIENCE

---

### VP of Infrastructure & Development Operations

New York, NY

*Critical Mention / Onclusive*

2020 — Present

- Directed Infrastructure and DevOps teams globally, responsible for the operational excellence of the organization to achieve 99.99% uptime.
- Executed ML training and development of a customized Speech to Text model. Deployed on Kubernetes in a highly available cluster which transcribes 15 days of audio per hour, 24/7/365 in realtime.
- Architected backend application to download and transcribe thousands of Podcasts feeds in realtime.
- Orchestrated the implementation of a comprehensive incident response and support process organization-wide, outlining precise steps for incident identification, communication, recovery, and documentation.
- Trained and guided support teams while also mentoring junior developers. Facilitated knowledge transfer and skill development.

### Senior Systems Engineer

New York, NY

*Critical Mention*

2013 — 2020

- Modernized core infrastructure to implement automated scalability within AWS.
- Lead a team to develop features for FFmpeg to add the capture of video and closed captioning from HD-SDI video cards, to be used in hundreds of production studio environments within North America.
- Created a Speech to Text infrastructure using AMQP for queuing jobs, and Puppet to configure the cluster.
- Designed a custom monitoring platform within Google App Engine, to detect and address issues that occur with the capture of thousands of television and radio channels.
- Deployed an Openstack infrastructure for the easy creation and maintenance of virtual machines.

### Systems Engineer

New York, NY

*Critical Mention*

2011 — 2013

- Developed several compartmentalized, scalable, and reusable backend systems, exposed through a set of APIs.
- Contributed to Open Source Software, such as FFmpeg, for the recording and editing of broadcast television.
- Enhanced software to record and edit High Definition video, adding new features to the product.

### Technical Operations Administrator

New York, NY

*Critical Mention*

2010 — 2011

- Responsible for the maintenance and uptime of thousands of Linux servers across the globe.
  - Vital to the success of a large datacenter migration within New York City.
- 

## PROJECTS

---

### Reddit Movies Bot

2015 — 2017

- Created a Reddit bot to provide IMDB & Rotten Tomatoes reviews, along with links to rent, purchase, or stream movies referenced on Reddit posts and comments.

### Bit Torrent App Developer Challenge — First Place

2010

- Awarded first place for creating an application which uses Bit Torrent's SDK and the Jamendo API to discover and download free and legal music under Creative Commons licenses.
- 

## EDUCATION

---

### Bachelor of Science in Computer Engineering

Binghamton University, New York