

# Charles J. Magnarelli

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## Education



### Wentworth Institute of Technology | Class of 2020

Bachelors, Computer Information Systems

**Notable Courses:** Systems Administration & Business Applications, Agile Project Management, Computer Science I-III, File Systems

## Experience



### Infrastructure Engineer, KAYAK

Jan 2022 - Present

- Primarily responsible for the development and architecture of moving the company from VM based applications and mysql databases to modern containerization (Docker/Docker-Swarm) and Elasticsearch backends. \*These technologies are production dependent and support approximately 30% of our revenue generating products.
- On-call Engineer, responsible for site uptime and revenue.
- Support the maintenance and expansion of multiple physical data centers around the world ranging from hardware, networking, power & coordination of remote hands.



### DevOps Engineer, Superpedestrian

June 2020 - Jan 2022

- Lead the design and development of highly-scalable K8's/EKS infrastructure across several AWS regions via IaC in conjunction with other supporting technologies.
- Implemented monitoring tools such as Prometheus/Grafana, SignalFX, and full ELK stack for better visibility in our infrastructure and business-operations.



### IT/Operations, KAYAK

Jan 2018 - June 2020

- Lead the design and renovation of the company's Tech-HQ. Improved audio & video, networking, and office automation systems.
- Orchestrated the deployment and build-out of JAMF as well as other IT-Automation systems.



### Technical Expert, Apple

June 2016 - Jan 2018

- Partnered with clients to ensure their devices were performing as expected and answered any questions to make sure their needs were satisfied.
- Coordinated hardware and software repairs on Apple's machines, and escalated any feedback regarding issues observed during repairs.

## Skills

- |                           |                          |                       |
|---------------------------|--------------------------|-----------------------|
| - Containerization        | - CNCF projects          | - Project management  |
| - Elasticsearch/ELK Stack | - IaC - Puppet/Ansible   | - Agile methodologies |
| - AWS/GCP                 | - Bash/Shell/Ruby/Python | - Communication       |
|                           | - Risk Management        |                       |

