Charles J. Magnarelli

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Education

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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

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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

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