

Grant Cohoe

CONTACT E-mail: grant@grantcohoe.com
INFORMATION Phone: 330-790-1701
Web: <https://www.grantcohoe.com>
Resume: <https://resume.grantcohoe.com>

SUMMARY Operations engineer with excellent problem solving abilities and extensive knowledge in emerging, current, and legacy technologies capable of making practice and policy recommendations across the enterprise.

SKILLS **Orchestration Tools:** Ansible, Puppet, Terraform
Platforms & Providers: Amazon Web Services, Microsoft Azure, Kubernetes/OpenShift, OpenStack
Services & Applications: Docker, Prometheus, Grafana, ElasticSearch, Kibana, RabbitMQ, Jenkins
Databases: MySQL/MariaDB, Percona, PostgreSQL, Cassandra, DynamoDB, Redis, SQLite
Network: Cisco, Juniper, F5, Ubiquiti, VPN (OpenVPN, IPsec), OVS, Træfik
Operating Systems: Linux (Focus: RHEL/CentOS/Fedora), FreeBSD, Windows, MacOS
Software Development: Python, Bash, Git

PROFESSIONAL BNY Mellon — Eagle Investment Systems, Wellesley MA
EXPERIENCE

Principal Software Engineer (DevOps) **Nov 2021 to Present**

- Design & implement best practices for cloud-native infrastructure in an emerging business environment.
- Orchestrate Kubernetes-oriented deployments in Microsoft Azure using Terragrunt and Ansible.
- Provide support and guidance to internal teams and contractors to enable successful product delivery.

Constant Contact, Waltham MA

Principal System Engineer (TechOps Systems) **Mar 2020 to Oct 2021**

- Design system, platform, and architectural best practices and processes to fit dynamic business cases.
- Provide extensive consultation and troubleshooting to multiple brands across the enterprise.
- Build and test the on-premises Kubernetes platform integrating with many existing systems.

Senior System Engineer (TechOps Systems) **Jan 2017 to Mar 2020**

- Develop and maintain extensive automation infrastructure and system platforms.
- Oversee operation of all Cassandra clusters in production and pre-prod environments.
- Perform assessment of acquired businesses and document all aspects of their platform.

RSA The Security Division of EMC, Bedford MA

Senior System Administrator (Engineering Lab Services / Release Engineering) **Jul 2014 to Jan 2017**

- Responsible for driving implementation initiatives such as VPN tunneling & system automation.
- Work with cross-functional teams across the world to deliver projects in a complete and timely manner.
- Provide level 3 support to all systems and services in the global engineering infrastructure.

System Administrator (Engineering Lab Services / Release Engineering) **Jul 2013 to Jul 2014**

- Assist in the development & operations of the global product engineering labs and release infrastructure.
- Develop infrastructure software and tools to provide visibility into lab resources and utilization.

Camp Fitch YMCA, North Springfield PA

Director (Tech Focus Experience / Computer Camp) **Jun 2013 to Present**

- Plan & operate a 2-week program teaching children introductory computer topics.
- Interact and discuss topics and concerns with parents, camp staff, and co-directors.
- Primarily responsible for facilities, on-site operations, and staffing.

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PROJECTS	<p>Internet Connection Monitor - https://github.com/CFCC/TurboStacks/tree/main/metrics</p> <ul style="list-style-type: none">• Developed a series of dashboards to display connection metrics and determine perceived network quality.• Utilized Docker Compose, Grafana, Prometheus, and the Blackbox Exporter. <p>Cocktail Recipe Research Platform - https://github.com/cohoe/amari</p> <ul style="list-style-type: none">• Built a full-stack application platform to manage and query recipes in a variety of domain-specific ways.• Stack consists of React, Flask (RESTx), Zookeeper, Redis, ElasticSearch, PostgreSQL, Cognito. <p>Puppet Infrastructure for Computer Camp - https://github.com/CFCC/TurboPuppet</p> <ul style="list-style-type: none">• Implemented Puppet to fully provision camper computers for a two-week summer program.• Built using many industry best practices learned at Constant Contact and through the community. <p>Bluetooth Headphone Connection Manager - https://github.com/cohoe/maxime</p> <ul style="list-style-type: none">• Tool in Python on Fedora Linux to manage PulseAudio sinks & deal with Bluetooth connectivity quirks.• Listens for DBus events and routes audio stream based on user configuration and connection state. <p>Open Source Network Resource & Access Manager - https://grantcohoe.com/projects/starrs</p> <ul style="list-style-type: none">• Designed and developed an interactive system for auditing and management of network resources.• Gives users a self-service portal to provision logical resources such as IP addresses and DNS records.										
EDUCATION	<p>Rochester Institute of Technology, Rochester, NY</p> <p>B.S., Applied Networking & System Administration, May 2013</p> <p>Minors in Database Design & Development and Applied Communication</p>										
AWARDS	<p>Constant Contact Rovie's</p> <table><tr><td><u>Problem Solver Extraordinaire</u></td><td>August 2019</td></tr><tr><td><u>Stabilizing Cassandra</u></td><td>February 2019</td></tr></table> <p>Excellence@EMC Silver</p> <table><tr><td><u>Quick Connectivity Solution</u></td><td>March 2016</td></tr><tr><td><u>Whatever It Takes</u></td><td>January 2016</td></tr><tr><td><u>Transparent Proxy Implementation</u></td><td>September 2014</td></tr></table>	<u>Problem Solver Extraordinaire</u>	August 2019	<u>Stabilizing Cassandra</u>	February 2019	<u>Quick Connectivity Solution</u>	March 2016	<u>Whatever It Takes</u>	January 2016	<u>Transparent Proxy Implementation</u>	September 2014
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ACTIVITIES & INTERESTS	<ul style="list-style-type: none">• Amateur ice hockey player in several Boston-area rec leagues.• Glamping enthusiast in the Adirondacks, Vermont, and Lake Erie regions.• College hockey fan and NWHL Boston Pride season ticketholder.• Regular attendee of DevOps Days Boston, Barcamp, and USENIX LISA conferences.										