# Grant Cohoe

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| CONTACT INFORMATION | E-mail: grant@grantcohoe.com<br>Phone: 330-790-1701<br>Web: https://www.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<br>**Platforms & Providers**: Amazon Web Services, Microsoft Azure, Kubernetes/OpenShift, OpenStack<br>**Services & Applications**: Docker, Prometheus, Grafana, ElasticSearch, Kibana, Jenkins<br>**Databases**: MySQL/MariaDB, Percona, PostgreSQL, Cassandra, DynamoDB, Redis, SQLite<br>**Network**: Cisco, Juniper, F5, Ubiquiti, VPN (OpenVPN, IPsec), OVS, Træfik<br>**Operating Systems**: Linux (Focus: RHEL/CentOS/Fedora), FreeBSD, Windows, MacOS<br>**Software Development**: Python, Bash, Git |

## PROFESSIONAL EXPERIENCE

**BNY Mellon — Eagle Investment Systems**, Wellesley MA

Principal Software Engineer **Nov 2021 to Present**
- Do things and stuff with clouds. This will get filled in eventually.
- Azure, Ansible, Terraform, Python. This will get filled in eventually.
- Bother Professor McAfee. This will not get filled in eventually.

**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-premesis 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 visability 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.

# Grant Cohoe

PROJECTS **Internet Connection Monitor** - https://github.com/CFCC/TurboStacks/tree/main/metrics

- Developed a series of dashboards to display connection metrics and determine perceived network quality.
- Utilized Docker Compose, Grafana, Prometheus, and the Blackbox Exporter.

**Cocktail Recipe Research Platform** - https://github.com/cohoe/amari

- 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.

**Puppet Infrastructure for Computer Camp** - https://github.com/CFCC/TurboPuppet

- 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.

**Bluetooth Headphone Connection Manager** - https://github.com/cohoe/maxime

- 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.

**Open Source Network Resource & Access Manager** - https://grantcohoe.com/projects/starrs

- 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 **Rochester Institute of Technology**, Rochester, NY

B.S., Applied Networking & System Administration, May 2013

Minors in Database Design & Development and Applied Communication

AWARDS **Constant Contact Rovie's**

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| Problem Solver Extraordinaire | **August 2019** |
| Stabilizing Cassandra | **February 2019** |

**Excellence@EMC Silver**

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| Quick Connectivity Solution | **March 2016** |
| Whatever It Takes | **January 2016** |
| Transparent Proxy Implementation | **September 2014** |

ACTIVITIES &
INTERESTS
- 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.