

# Grant Cohoe

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CONTACT E-mail: [jobs@grantcohoe.com](mailto:jobs@grantcohoe.com)  
INFORMATION 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, Terraform, Helm, Puppet  
**Platforms & Providers:** Microsoft Azure, Amazon Web Services, Kubernetes/OpenShift, OpenStack  
**Services & Applications:** Docker, Prometheus, Grafana, ElasticSearch, Consul, RabbitMQ, Vault  
**Databases:** MySQL/MariaDB, PostgreSQL, Cassandra, DynamoDB, Redis, SQLite  
**Network:** Cisco, Juniper, F5, Ubiquiti, VPN (OpenVPN, IPsec, Wireguard), Træfik  
**Operating Systems:** Linux (Focus on RHEL/CentOS/Fedora & Ubuntu), FreeBSD, Windows, MacOS  
**Languages:** Python, Swift, NodeJS, Bash  
**Build Tools:** TeamCity, Harness, Jenkins, Git

PROFESSIONAL BNY Mellon — Eagle Investment Systems, Wellesley MA  
EXPERIENCE

Principal Software Engineer (DevOps) Nov 2021 to Present

- Orchestrate Kubernetes deployments in a cloud native Microsoft Azure environment.
- Lead the exploration and proof-of-concept for service mesh implementation.
- Provide support and mentoring to internal teams and contractors to enable successful solution 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

**Charter Cruise Social Media Platform** - <https://github.com/jocosocial/swiftarr>

- Contribute to a bespoke social media platform built for the unique culture of a nerd cruise.
- Develop core application features, deployment & testing orchestration.

**Charter Cruise Android App** - <https://github.com/jocosocial/tricordarr>

- Built a React Native app for Android devices using the Twitarr service API (see above).
- Successfully implemented push notifications in a zero-internet environment.

**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**

Problem Solver Extraordinaire

**August 2019**

Stabilizing Cassandra

**February 2019**

**Excellence@EMC Silver**

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.
- Home bartender and cocktail researcher.
- Frequent volunteer at a year-round YMCA summer camp on the shore of Lake Erie.
- Regular attendee of DevOps Days Boston and other local/national conferences and events.