

Grant Cohoe

CONTACT E-mail: 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 Dec 2023**

- 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.