

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 while enabling others to do their best work.

SKILLS **Orchestration Tools:** Ansible, Terraform, Helm, Puppet
Platforms & Providers: Microsoft Azure, Amazon Web Services, Kubernetes
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), Traefik, Istio
Operating Systems: Linux (Focus on RHEL/CentOS/Fedora & Ubuntu), FreeBSD, Windows, MacOS
Languages: Python, Swift, NodeJS, Bash
Build & Deploy Tools: Spacelift, TeamCity, Harness, Buildkite, Jenkins, Git

PROFESSIONAL Klaviyo, Boston MA

EXPERIENCE Senior Site Reliability Engineer (Infrastructure Lifecycle & Paved Path) **Feb 2024 to Present**

- Maintain config management (Puppet, Terraform) and provisioning systems (cloud-init, Spacelift).
- Develop and maintain the internal Kubernetes platform and facilitate adoption.
- Leverage LLM ("AI") solutions to deliver a wide array of infrastructure projects.

BNY Mellon — Eagle Investment Systems, Wellesley MA

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 two-week program teaching children introductory computer topics.
- Primary point of contact with parents and full-time camp staff.
- Responsible for facilities, on-site operations, staffing, and mentoring of younger staff.

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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://legacy-blog.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.
- Skilled amateur tradesman in construction, carpentry, electrical, plumbing, and HVAC.