

Grant Cohoe

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SKILLS **Orchestration Tools:** Ansible, Puppet, Terraform
Cloud Providers: Amazon Web Services, Microsoft Azure, OpenStack
Network: Cisco, Juniper, F5, Ubiquiti, VPN (OpenVPN, IPsec), OVS
Services & Applications: Kubernetes/OpenShift, Docker, Jenkins, OpenLDAP, Cassandra, Træfik
System Platforms: Linux (Focus: RHEL/CentOS/Fedora), FreeBSD, Windows, MacOS
Development: Python, Bash, Git

PROJECTS **Cocktail Recipe Research Platform** (In Progress) - <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.

PROFESSIONAL EXPERIENCE **Constant Contact**, Waltham MA

Principal System Engineer (TechOps Systems) **Mar 2020 to Present**

- 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.

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**

<u>Problem Solver Extraordinaire</u>	August 2019
<u>Stabilizing Cassandra</u>	February 2019

Excellence@EMC Silver

<u>Quick Connectivity Solution</u>	March 2016
<u>Whatever It Takes</u>	January 2016
<u>Transparent Proxy Implementation</u>	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 and USENIX LISA conferences.