

# Brandon M. McCarthy

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## About

A highly motivated engineer with an interest in production systems. Easily adapts to new systems and technology with enthusiasm. A proficient programmer with the ability to quickly identify problems and create quick and efficient solutions.

## Qualifications

Compiled Languages: Go  
Software Development and Testing  
Linux and Unix Administration  
Infrastructure and Networking

Other Languages: BASH, Python, PHP, SQL  
Excellent Troubleshooting Abilities  
System Administration  
Docker and System Monitoring

## Professional Experience

### Borg Site Reliability Engineer

April 2017 - June 2017

Google

Mountain View, CA

Worked on Borg (Google's cluster management system) for a quarter long rotation as a Site Reliability Engineer. Assisted Borg Software Engineers and other SRE's to develop future sustainability plans. Executed sustainability plans by developing programs to open bugs and notify over 2,700 internal teams with succinct action items. Personally assisted many teams with resolving action items for their serving infrastructure across YouTube, Geo, Ads, and more.

- Created bugs and sent notifications to 2,700 users and assisted many in configuring jobs.
- Worked directly with Technical Program Managers to develop sustainability plans for several Product Areas.
- Created a self-service option for person users with no critical infrastructure.

### IT Fieldtech

July 2016 – Present

Google

Mountain View, CA

Supported Googlers world-wide as well as Google's internal corporate infrastructure. Assisted users with engineering workflows on a variety of environments including Windows, Linux, and Unix. Discover and troubleshoot technical bugs in Google's unique corporate infrastructure. Communicate between corporate and production teams including privacy, security, and networking to resolve user-facing issues. Mentored and advised new fieldtechs in Mountain View, Palo Alto, and Sunnyvale. Core developer for internal utility suite, creating and reviewing code changes for the utility suite's core and third-party utilities used by many internal orgs including CorpEng and Cloud.

- Deprecated many bash and python utilities and replaced with robust equivalents written in Go.
- Developed utilities used by 300+ techs across 5+ global sites within Googler Engagement.
- Engaged in developing a support tools training for ITRP to introduce Go and how to develop tools at Google.
- Responded to many urgent outages affecting multiple Googlers.

### Premium Technical Support Engineer

May 2015 - June 2016

Barracuda Networks

Ann Arbor, MI

Provided support for Barracuda's largest Enterprise and Reseller clients. Responded to disaster incidents to retrieve and restore client data. Assisted in restoring service for critical production and corporate infrastructure within the client's Service Level Objectives.

- Created suite of programs to interface and administer backup appliances used by 80+ techs across 4 global sites.
- Documented, investigated, and resolved customer facing issues.
- Trained new hires in subjects such as hardware and software RAID, Linux, VPN, networking, data recovery, etc.

## Education

Associate's Degree - Computer Support (3.9/4.0)  
Schoolcraft College, Livonia, MI