

JACOB COLVIN

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Cincinnati, Ohio

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github.com/MacroPower

EXPERIENCE

Versatilist Engineer / SRE

84.51°

Cincinnati, Ohio

December 2019 – Current

- Assist a multitude of development/data teams with observability, cloud, CI/CD, and fulfill other ad-hoc requests as needed.
- Design Go services for metric exposition.
- Develop, deploy, and maintain enterprise observability services/tooling.
- Contribute fixes to upstream OSS repos.

IT Co-op

84.51°

Cincinnati, Ohio

May 2016 – December 2019

Product Support Co-op

April 2019 – December 2019

- Designed a C# API layer over several legacy systems, with a TypeScript + React UI, to assist with support, data automation, and tech deprecation.

Service Management Co-op

Jan 2019 – May 2019

- Automated Red Hat Linux VM deployment through ServiceNow, via interactions with Satellite, vCenter, SolarWinds and Ansible.
- Designed various ServiceNow request processes.

Linux and Storage Co-op

May 2018 – Dec 2018

- Automated monitoring of eight distinct products.
- Designed custom long-term log and metric storage system.
- Designed custom PowerShell web application to view logs and metrics.

Data Operations Co-op

Aug 2017 – May 2018

- Automated tasks using PowerShell, VBA, Bash and PL/SQL in Bash.
- Created and documented Automic workflows with Bash and SAS ODS.
- Designed custom Powershell applications to assist admins and end-users.

Windows and Virtualization Co-op

Jan 2017 – Aug 2017

- Accepted tickets from other teams and worked to promptly resolve issues.
- Created change requests and made changes to production.
- Created and documented PowerShell tools to automate admin tasks.

Platforms Co-op

May 2016 – Aug 2016

- Interfaced with BOSH and Hadoop to design custom PCF solutions.
- Designed and documented optimal setup for PCF environments.
- Conducted data restoration project and created cost-estimate reports.

PROJECTS

OmegaGraf

macropower.github.io/OmegaGraf

University of Cincinnati

September 2019 – Ongoing

- An ongoing open-source project that seeks to completely automate vCenter monitoring, by orchestrating a small ecosystem of containers.
- Products: Telegraf, Prometheus, Grafana
- Technologies: Docker, C# / .NET Core, TypeScript, React

EDUCATION

B.S. Information Technology

University of Cincinnati - CECH

Aug 2015 – April 2020

Summa Cum Laude

SKILLS

Open Source
Observability
DevOps
Profiling
DevSecOps
Cloud Computing



STRENGTHS

Development:

Go / Golang C# / .NET Core Python
SQL PowerShell React TypeScript

Databases:

MySQL Oracle TSDBs

Observability:

Prometheus Thanos Telegraf Grafana

Tools:

VS Code SonarQube TeamCity Git
Pivotal Cloud Foundry Docker

Operations:

Linux (Debian, Red Hat) Bash ESXi
vCenter Automic Ansible

CODING TIME

Past Year

