

James Hounshell

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EDUCATION

UNIVERSITY OF VIRGINIA

MS, NEUROSCIENCE
2016 | Charlottesville, VA

JAMES MADISON UNIVERSITY

BS, BIOTECHNOLOGY
2012 | Harrisonburg, VA

LORD FAIRFAX COMMUNITY COLLEGE

AAS, SCIENCE
2010 | Middletown, VA

LINKS

Github:// [jameshounshell](#)
LinkedIn:// [jameshounshell](#)

SKILLS

SOFT

Adept:

- Speaking plainly
- Skipping technobabble
- Including stakeholders
- Pair Programming
- Mentoring

HARD

Adept:

Python • Terraform • Docker
Jenkins • Git • AWS
DataDog

Proficient:

SQL • Postgres • CloudFormation
Linux • MatLab • PHP

Familiar:

Kubernetes • ConcourseCI
CircleCI • GoLang • Java
JavaScript • Angular • \LaTeX
CSS

PERSONAL

Likes:

Coffee • RTS Games • Sketching
Organization • Clean Code
Sushi

EXPERIENCE

CAPITAL ONE | SENIOR DEVOPS ENGINEER

Jan 2020 - Present | Richmond, VA
Chariot - Enterprise Content Management System

Fulfilled a tech-lead level of responsibility on the platform DevOps team by planning and executing on organizational goals. Stepping in to do more challenging tasks and mentoring other developers to complete the rest. Maintained terraform modules, build pipelines, and automated infrastucuture tasks.

CAPITAL ONE | DEVOPS ENGINEER

Jan 2019 - Jan 2020 | Richmond, VA
Enterprise Jenkins Team

I worked on the team providing Jenkins for all of Capital One (70+ Jenkins masters, 7000+ users). I was instrumental to the delivery of ephemeral Jenkins build agents on AWS ECS. This overall increased platform stability and saved approximately 7 million dollars a year in AWS infrastructure costs by provisioning small (30-150 node) multi-tenant ECS clusters, agnostic to the workloads that were being run on the cluster.

To accomplish this goal I wrote almost half of the Terraform, python library, and CLI used to control and deploy the new infrastructure. I worked with users to discover use cases, remediate bugs, and wrote new tests to future proof against regressions.

CAPITAL ONE | DEVOPS ENGINEER

Jan 2018 - Jan 2019 | Richmond, VA
Digital Messaging Platform

Actively tried to change Ops heavy DevOps culture in a group that uses a large ECS and Message Bus architecture in AWS. To that end I maintained and improved software pipelines using infrastructure as code (Terraform) and strong integration testing (e.g. Python/Pytest).

- Provided support for and maintained ECS Clusters (8+ clusters, 100+ developers, 100+ services).
- Routinely deployed infrastructure and applications using blue/green and canary style deployments.
- Wrote a python library for the automation of Terraform import of existing resources and the programmatic generation of the configuration of those resources, which provided my team the ability to back up and clone existing clusters.
- Mentored rotational trainees from the Capital One Technology Development Program

APIVISTA | ASSOCIATE DEVOPS ENGINEER

Jan 2017 - Dec 2017 | Richmond, VA

Opened my eyes to DevOps as my passion by working with clients to migrate applications to Docker and AWS.

MAXX POTENTIAL | APPRENTICE SOFTWARE DEVELOPER

June 2016 - Jan 2017 | Richmond, VA

Made the transition from academia to tech by cutting my teeth on basic web development projects.