

Stephen Reaves

✉ reaves735@gmail.com

🐙 reavessm

🌐 LinkedIn

WORK EXPERIENCE

Software Engineer at Red Hat 2021 -

Create internal tools for SREs

- Create internal tools for SREs
- Build REST APIs in Go
- Deploy software to Kubernetes via CI/CD
- Build and support Backstage instance for Red Hat developers
- Tools: Podman, Kubernetes, ArgoCD, Tekton, Backstage

Technical Consultant at Blue Horseshoe Solutions 2018 - 2021

Modify existing ERP Software (D365)

- Perform technical development, customization, and upgrade activities including design and programming in applicable tools and languages
- Support system implementations by assisting in system and networking installation and administration tasks
- Ensure standards are followed on all interfaces, conversions and modifications
- Designing custom technical interfaces, modifications, data conversions
- Unit, System, User Acceptance Testing and facilitating of this testing
- Implementation support
- Provide periodic status reports to manager and/or client
- Provide accurate estimations and timelines of work performed
- Tools: VisualStudio, D365, TeamFoundationServices

Equipment Assisstant at USC Housing Technology Services 2017 - 2018

Tier 1 support for Housing Professionals

- Automated installation and update procedures for computer labs
- Troubleshoot and resolve door access control issues for students
- Participate in discussions about deployment infrastructure

EDUCATION

Master of Computer Science 3.4 2022 -

Georgia Institute of Technology

- Distributed Systems
- Advanced Operating Systems
- Databases

Projects:

- RAFT
- NFS

Bachelor of Computer Science 3.6 2014 - 2018

University of South Carolina

- Big Data
- HCI
- Foundation of Computation

Projects:

- Boeing VR Capstone
- RegEx to DFA

Programming Skills

Go



Kubernetes



Podman



Rust



Elixir



SQL



C/C++



AWS



Terraform/OpenTofu



Python



React



TypeScript



Languages

English



Spanish



Japanese



CERTIFICATES

MB-300

01.2021

Microsoft Dynamics 365: Core F&O

Exam 535

09.2018

Architecting Azure Solutions

Exam 778

11.2019

Analyzing and Visualizing Data with Power BI

Exam 894

08.2018

Development, Extensions and Deployment for D365 for F&O

TALKS

GRDR-Beam

06.2024

The most overbuilt personal blog site

OS 101

06.2024

Intro to Operating Systems

OPEN SOURCE CONTRIBUTIONS

Gentoo

Add support for git-credential-netrc

SnipRun

Add http client support

OpenZFS

Updated docs to aid using Live Fedora Workstation ISO to install ZFS

Podman

Allow setting 'sign-passphrase' directly

GRDR

Rust library to enable dynamic parsing of markdown files

GRDR-Beam

Elixir/Phoenix webserver utilizing GRDR

Exhume

Elixir tool to generate SQL DDL/Migrations from UML

DisTRUST

Kubernetes Operator to aid in the process of testing students in a Distributed Systems course