

MATTHEW GRASBERGER

grasbergerm@gmail.com

+1 (804) 385-1811

SKILLS

Programming Languages: Python, Bash, Go, Java, Ruby, C, PHP, JavaScript, Haskell, Lisp

Tools: Terraform, AWS, Docker, Kubernetes, Argo Workflows, Argo CD, GitHub Actions, CircleCI, RabbitMQ, Nagios, Nginx, Django, Celery, PostgreSQL, Jenkins, OWASP ZAP, sqlmap, git, Selenium

Languages: English (native), German, Portuguese

EXPERIENCE

Senior Cloud Engineer, Dynatrace

June 2023 - Present

- Developing Argo Workflows using Go and Bash to automate CI/CD processes
- Created GitHub Actions workflows to automate PR review requests based on business rules and repository changes

Backend Developer, Delphia

August 2022 - March 2023

- Developed Django application responsible for generating and balancing custom stock portfolios, processing trades, and rewarding users with crypto tokens
- Investigated and addressed complex performance issues by reproducing locking behaviors in PostgreSQL and adding informative logging to expose delays

DevOps Engineer, Imperfect Foods

April 2020 - June 2022

- Using Terraform and CircleCI, created a dynamic environment project to allow developers to deploy a complete development environment in AWS ECS based on a git commit
- Created a staging environment with biweekly automated database refreshes using sanitized data pulled from production
- Created and maintained a private CircleCI orb to standardize and facilitate CI builds across projects
- Performed PostgreSQL database upgrades seamlessly using logical replication and DNS swapping

Software Consultant, Coveros

June 2016 - April 2020

- Lead contributor to the open-source test automation framework, Selenified
- Created and maintained automated testing framework, providing testing for a multi-platform application using Selenium, Cucumber and Appium
- Automated security scans of various applications using OWASP ZAP and sqlmap
- Coached and mentored client leadership, teams, and individuals on improving product quality

PUBLICATIONS AND CONFERENCE PRESENTATIONS

SearchSoftwareQuality and SearchITOperations TechTarget.com

March 2019 - Present

<https://www.techtarget.com/contributor/Matthew-Grasberger>

STAREAST Software Testing Conference

May 2018

Automated Security Scanning for Your Delivery Pipeline

INDEPENDENT PROJECTS

<https://github.com/grasbergerm>

Hopecam Intake Processor: Created a Flask web application to generate and send emails for non-profit organization intake.

2048: Created a clone of the popular sliding-tile game 2048 using Python.

EDUCATION

B.Sc. Computer Science

May 2016

George Mason University, Fairfax, VA