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, GCP, Docker, Kubernetes, GitHub Actions, CircleCI, Nagios, Nginx, Django, Celery, PostgreSQL, Jenkins, OWASP ZAP, sqlmap, git, JUnit, Selenium

Languages: Portuguese, German

Experience

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