

MATTHEW GRASBERGER

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EXPERIENCE

Backend Developer, *Delphia*

August 2022 - March 2023

- Contributed to 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 useful 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 santized 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

Lead Instructor, *STEM exCEL*

September 2015 - May 2016

- Instructed courses of up to 20 elementary age kids using tools like Scratch and GameMaker
- Created curriculum for elementary age kids to teach programming with Scratch

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>

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

Reddit Background Changer: Pulls a random image from the top 25 images of a subreddit and sets it as the desktop background, programmed in Python using urllib

SKILLS

Programming: Python, Bash, Java, C, PHP, Javascript, JSP, Haskell, Lisp, Ruby

Knowledge of: Terraform, AWS, GCP, Docker, CircleCI, Nagios, Nginx, Django, Celery, PostgreSQL, Jenkins, OWASP ZAP, sqlmap, git, JUnit, Selenium

Languages: Portuguese, German

EDUCATION

B.Sc. Computer Science

May 2016

George Mason University, Fairfax, VA