

# MATTHEW GRASBERGER

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## EXPERIENCE

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### 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

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### 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

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<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

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**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

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### B.Sc. Computer Science

*May 2016*

*George Mason University, Fairfax, VA*