Grant SELTZER RICHMAN

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https://grant.pizza

PROFESSIONAL SKILLS

Love Working With:	Go, eBPF, C, Linux, Git, Security
Experienced With:	Kubernetes, CI/CD, packer
Interested In:	Public Speaking, Debuggers, Anti-cheat software

WORK EXPERIENCE

JAN 2021 -
Dec 2022

Aqua Security - Software Engineer (Open Source)
(Affected by layoffs)

* Developed key features for Tracee, Aqua's open source eBPF based engine for runtime security protection.(Go and C)

* Contributed extensive code and documentation to the Linux kernel and libbpf.

* Worked with devops team to build an automated infrastructure testing pipeline in Kubernetes on AWS.

* Worked as a core maintainer of Tracee and libbpfgo. Responsibilities included engaging with the open source community, reviewing pull requests, and pushing releases.

* Presented my innovations in eBPF development at major conferences including Kube-con, eBPF Summit, gophercon and summerc0n.

* Collaborated effectively with an experienced international team of engineers across multiple time zones.

FEB 2019 -
Jan 2021

Oscar Health - Software Engineer (Security)

* Wrote eBPF-based sensors for cloud centos servers to monitor security information and performance benchmarks.

* Created a system for efficient security auditing of entire workstation fleet using osquery. Made multiple open source contributions to the upstream project to help with macos compatibility.

MAR 2017 -
Feb 2019

Capsule8 - Software Engineer

* Collaborated on designing and implementing a highly scalable microservice system for linux endpoint protection written in Go.

* Built the command line interface for controlling all of the companies offerings in Go.

* Implemented a comprehensive benchmarking pipeline for measuring macro and micro benchmarks of all of the companies systems over time.

* Wrote extensive internal and external documentation for system design, architecture, debugging, and usage.

MAY 2016 -
Feb 2017

Red Hat - Software Engineer Intern (Container Security)

EDUCATION

MAY 2017 **B.S.** in **Computer Science and Applied Mathematics**
UNIVERSITY AT ALBANY, STATE UNIVERSITY OF NEW YORK

OPEN SOURCE

Weaver AUTHOR
* A dynamic debugging tool for fine-grained tracing of Go program execution using uprobes and eBPF.

libbpf CONTRIBUTOR
* Write and maintain extensive documentation for the standard reference implementation of a eBPF userspace loader and library.

Go CONTRIBUTOR
* Added support for using libSystem bindings for DNS resolution when compiling static binaries on Darwin hosts.