

Griffith Thomas

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Detail-oriented Software Engineer passionate about building quality technology and improving reliability and efficiency in cloud environments.

Skills

LANGUAGES: [Go](#), [Rust](#), [Python](#), JS/TS, C++, C

TECHNOLOGIES: [React](#), [REST](#), [gRPC](#), WGPU, git, GitHub

CLOUD: [AWS](#), [Kubernetes](#), Digital Ocean

SYSTEMS: [Amazon Linux](#), [Vagrant](#), Windows, Virtualbox

SOFT SKILLS: [Remote Collaboration](#), [Documentation](#), Time Management, Attention to Detail

Experience

Spyderbat

Software Engineer

Remote

Jun 2024-Current

- Optimized request logic and compression for NoSQL database, improving read latency and reducing storage requirements by 2x
- Deployed a rearchitected data ingest method that reduced total cloud computing costs by 8-9%
- Developed a kernel-level eBPF program capable of real-time tracing of suspicious file accesses
- Planned and executed migration between database architectures with zero data loss or downtime
- Designed simulation testing framework for key-value database, significantly increasing reliability
- Designed and implemented a sample evaluation environment used in sales team demos
- Enforced OWASP best practices for containerized application and Kubernetes deployment security

Spyderbat

Software Engineering Intern

Remote

May-Aug 2021, May-Dec 2022, May-Aug 2023

May-Aug 2023

- Prototyped a kernel-level network tracing program to detect security risks in encrypted connections
- Developed graph visualizations and dynamic tables for representing Kubernetes clusters in React JS

May-Dec 2022

- Showcased new products to customers and demonstrated key features to non-technical audiences
- Configured a fully automated test, build, and deploy CI/CD pipeline, increasing release velocity

May-Aug 2021

- Developed an experimental back-end proxy server to improve performance of existing React app

Education

Texas A&M University

May 2024

Bachelors of Computer Engineering, [Engineering Honors](#), Minors: Cybersecurity, Math

Certifications

- **GPCS** - GIAC Public Cloud Security
- **GCIH** - GIAC Certified Incident Handler
- **GSEC** - GIAC Security Essentials
- **GFACT** - GIAC Foundational Cybersecurity Technologies

Portfolio

Spydertop: Python HTOP-like CLI

A command-line system-administration tool written in Python providing an HTOP-like UI using historical data.

Blackbox: Modern Kernel-Level Tracing

An eBPF-based program tracer that provides high-level comprehensive context into a process's behavior.