

Raymond Yang

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EXPERIENCE

DevOps Engineer

March 2022 – Present

Mezzanotte Labs

Remote

- Architected a high-performance, high-availability, self-managed Kubernetes platform utilizing Terragrunt for IaC, FluxCD for GitOps-driven multi-cluster scalability, and SOPS for secure secret management
- Oversaw all company infrastructure and implemented IaC resulting in reduced provisioning time, deployment time, and cut operational costs
- Collaborated directly with the lead engineer to architect and strategize products, resulting in performance improvements and a increased system scalability

Staff Security Engineer

March 2025 – Aug. 2025

CVS Health

Remote (Contract)

- Developed a Rust prototype performing ingestion endpoint simulation (Splunk, CrowdStrike), OCSF normalization, and inline detection, designed to handle over 100TB of data per day with near real-time processing
- Identified unsustainable costs in the proposed AWS Flink architecture and independently built a production-grade Terraform alternative with EKS/Karpenter, projecting a 50% reduction in compute costs
- Collaborated with senior to principal level engineers to define core requirements and validate the architecture on various system designs, ensuring they addressed key operational pain points

Contract Employee

March 2025 – Aug. 2025

Colossus Technologies Group

Remote

- Worked as a Staff Security Engineer at CVS Health (6 month full-time contract)

Software Engineer Intern

Sep. 2020 – Nov. 2021

Blackbot Security

Remote

- Implemented multiple features for an in-house C2 framework in Python
- Constructed high-quality test cases based on the MITRE ATT&CK Framework to the Atomic Red Team project for more than 20,000 users (T1560.002, T1486, T1059.006, T1053.006)

PROJECTS

High-Volume Log Ingestion Service | Terraform, Rust, AWS

July 2024 – July 2024

- Spearheaded a Terraform project to transform a high-volume in-house Log Ingestion Service from a Rust HTTP server to an AWS stack (Route 53, ALB, ACM, S3, AWS Lambda) using Cargo Lambda, reducing costs significantly

Vulnerability Management Workflow | Terraform, Python

Nov. 2022 – Nov. 2022

- Used Python, GitHub Actions, and Terraform to manage infrastructure of the workflow, OpenVAS to scan for vulnerabilities, and n8n to automate ticket creation

TECHNICAL SKILLS

Languages: Rust, Python, HCL, Bash, Regex, HTML/CSS, SQL, Typescript

Libraries/Frameworks: Actix Web, Flask, Cargo Lambda, Next.js, React, OCSF

Technologies: Terraform, Kubernetes, AWS, Puppet, Docker, Elasticsearch, Git, Github Actions, FluxCD

Skills: CI/CD, Linux System Administration, Networking, Systems Design, Detection Engineering, ETL

EDUCATION

University Of Illinois Urbana-Champaign

Urbana, IL

Bachelor of Science in Computer Science + Linguistics

Aug. 2024 – Present

- Infrastructure backend developer for the largest CS organization at UIUC
- Responsible for architecting and overseeing entire backend for CS124 Honors project

MISCELLANEOUS

Open Source Contributions: 800+ GitHub stars, multiple contributions to 11k+ star GitHub projects

Organizations: ACM SIGPwny, ACM GNU/Linux Users' Group, Skateboarding Illini, GTO Illini

Languages: English, Chinese (Mandarin, Fuzhounese)