

Raymond Yang

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EXPERIENCE

DevOps Engineer

March 2022 – Present

Mezzanotte Labs

Remote

- Took on the lead role for all cloud operations
- Responsible for managing all company infrastructure and setting up infrastructure-as-code
- Collaborated directly with lead engineer to architect and strategize products
- Incorporated, presented, and administered development workflow for the entire company to follow, increasing productivity levels drastically across the entire department
- Created and managed CI/CD workflows for all Python and Rust projects using GitHub Actions
- Developed vulnerability management workflow with an automatic ticketing system, preventing numerous exploits
- Utilized Terraform, GitHub Actions, and Puppet to create a workflow that pushed upstream changes to servers that hosting company internal applications
- Deployed Kubernetes for multi-node implementation of in-house Parquet-like database query utility
- Spearheaded a Terraform project to port a high-volume in-house logs ingesting service from a web app to an AWS stack using Route 53, ALB, ACM, S3, and AWS Lambda

Software Engineer (Internship)

Sep. 2020 – Nov. 2021

Blackbot Security

Remote

- Constructed high-quality test cases to the Atomic Red Team for more than 20,000 users
- Responsible for automating the daily process to backup production code, helping save significant amounts of time
- Implemented multiple features for an in-house post-exploitation framework

TECHNICAL SKILLS

Languages: Rust, Python, Bash, Kotlin, YAML, Markdown, LaTeX, HTML, CSS, SQL, Typescript

Libraries/Frameworks: Actix Web, Flask, Cargo Lambda, Reqwest, Isahc, Rayon, Prompt Toolkit, Pola-rs, Next.js, Tailwind CSS

Developer Tools: Terraform, Kubernetes, Puppet, Docker, Elasticsearch, Git, Github Actions, AWS Lambda, AWS S3, AWS Load Balancer, AWS Certificate Manager, AWS Route 53, Neovim, SQLite, PostgreSQL

Skills: Linux, CI/CD, System Administration, Computer Networking, Agile Development, Pentesting, JSON Manipulation, Regex

OPEN-SOURCE PROJECTS

RBust | *Rust, Git, Markdown*

April 2020 – July 2020

- Utilized the high-performance nature of Rust to create a CLI web-fuzzing tool
- Used the Isahc library to make HEAD requests to desired URL
- Implemented multi-threading using the Rayon library to further increase performance

BlackPhish | *Python, PHP, HTML, Bash*

October 2019 – January 2020

- Developed CLI utility to mimic website and catch POST data by hosting locally
- Utilized Apache2 to host mimicked website
- Used ngrok to create a reverse proxy to the Apache2 server

EDUCATION

University Of Illinois Urbana-Champaign

Urbana, IL

Bachelor of Science in Computer Science + Linguistics

Aug. 2024 – Present

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

MISCELLANEOUS

Organizations: ACM Infrastructure Committee, ACM GNU/Linux Users' Group, ACM Natural Language Learning

Academics: 4th Place State ACEs Computer Science, CS124 Honors

Languages: English, Chinese