

Raymond Yang

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EXPERIENCE

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| Security Engineer
<i>CVS Health</i> | March 2025 – Present
<i>Remote</i> |
| <ul style="list-style-type: none">Recruited to a 20-person team to develop an in-house Threat Detection Engine responsible for monitoring all company logs and ingesting ~100TB/day to ensure comprehensive security coverage | |
| Contract Employee
<i>Colossus Technologies Group</i> | March 2025 – Present
<i>Remote</i> |
| <ul style="list-style-type: none">Worked as a Security Engineer at CVS Health (6 month full-time contract) | |
| DevOps Engineer
<i>Mezzanotte Labs</i> | March 2022 – Present
<i>Remote</i> |
| <ul style="list-style-type: none">Oversaw all company infrastructure, implementing infrastructure-as-code that reduced provisioning time by 60%, lowered deployment time by 40%, and cut operational costs by 25%Managed over 100 servers with 99.95% uptime, ensuring robust performance and reliability for all cloud operationsCollaborated directly with the lead engineer to architect and strategize products, resulting in a 30% performance improvement and a 65% increase in system scalabilityDeployed Kubernetes to support a multi-node implementation of an in-house Parquet-like database query utility, achieving a 25% improvement in query response times | |
| Software Engineer (Internship)
<i>Blackbot Security</i> | Sep. 2020 – Nov. 2021
<i>Remote</i> |
| <ul style="list-style-type: none">Implemented multiple features for an in-house post-exploitation frameworkConstructed high-quality test cases to the Atomic Red Team project for more than 20,000 usersAutomated the daily production code backup process, reducing backup time by 70% and saving approximately 25 hours per month | |

PROJECTS

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| High-Volume Log Ingestion Service <i>Terraform, Rust, AWS Stack</i> | July 2024 – July 2024 |
| <ul style="list-style-type: none">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, achieving near-infinite ingestion capacity while reducing costs by 50% | |
| Vulnerability Management Workflow <i>Terraform, Python</i> | Nov. 2022 – Nov. 2022 |
| <ul style="list-style-type: none">Designed and implemented a vulnerability management workflow using Python and Terraform that automated the process of identifying, reporting, and remediating security vulnerabilities, reducing incident response time by 50% and preventing over 95% of potential exploits | |

TECHNICAL SKILLS

Languages: Rust, Python, Bash, Kotlin, LaTeX, Regex, HTML/CSS, SQL, Typescript
Libraries/Frameworks: Actix Web, Flask, Cargo Lambda, Next.js, Tailwind CSS, DaisyUI, React
Technologies: Terraform, AWS, Kubernetes, Puppet, Docker, Elasticsearch, Git, Github Actions, SQLite, PostgreSQL
Skills: Systems Design, Linux, CI/CD, System Administration, Computer Networking, Pentesting, UI/UX Design

EDUCATION

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| University Of Illinois Urbana-Champaign
<i>Bachelor of Science in Computer Science + Linguistics</i> | Urbana, IL
Aug. 2024 – Present |
| <ul style="list-style-type: none">Infrastructure backend developer for the largest CS organization at UIUCResponsible for architecting and overseeing entire backend for CS124 Honors project | |

MISCELLANEOUS

Organizations: ACM Infrastructure Committee, ACM SIGPwny, ACM GNU/Linux Users' Group, Skateboarding Illini, GTO Illini
Academics: 4th Place State ACEs Computer Science, CS124 Honors, CS128 Honors
Languages: English, Chinese (Mandarin)