Julia Immer

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EXPERIENCE

DEVOPS ENGINEER
Charter Communications / Contract / February 2023 - November 2023

- Deployed & configured infrastructure & CI/CD tools for the lab: K8s clusters, AWS, on premise VMs, Jenkins pipelines, Jenkins masters & nodes, Terraform, network interfaces, security groups, EKS, Rancher, agent rollouts, Gitlab & Stash instances, AWX, load balancers, auto-scaling groups, DNS, custom images
- Maintained & generated automation for managed systems: Ansible, Jenkins, Ingress, custom Jenkins libraries, debugging & updating scripts in python & bash, AWS instance tagging & cleanup, FreeIPA & Bastions, RBAC, version control, access & authorization, certificate management
- Developed & performed security patches for Linux systems & CVEs, ex: kernel, OpenSSL, OpenSSH
- Worked support tickets for critical infrastructure, assisting teams & CI/CD systems across the lab, responding to emergency outages, communicating with everyone from software to network engineers
- Proof-of-concept: Unblocked team after 2.5 mo deploying kubernetes 1.24 with kOps, developed OpenSSL security patch, fully refreshed Rancher Kubernetes deployment MOP, developed kubernetes API deployment guide saving teams debugging time. Wrote & updated How-Tos & MOPs on CI/CD, security, critical infra.
- Instigated several positive operational changes, clearing key team pain points, improving moral, ex: Office hours for overloaded PE, team-wide documentation refresh strategy, security patching process improvement, version control use & adoption, management & team communication

SOFTWARE ENGINEER INTERN
Six3 Advanced Systems / CACI International / May 2022 - August 2022

- Application Key Infrastructure: Designed, developed & deployed to Kubernetes via Gitlab CI/CD a Heimdall authorization microservice + client library. Utilized Docker, Helm, Maven, Redis, Java, Git, Jira, & Linux env.
- The AKI issued & validated tokens signed via encryption. Then throttled via cached rules & accesses.
- Followed Agile sprint model with daily scrum, & planning. Generated & maintained critical documentation.
- Proof-of-concept: Gitlab pipelines, Quarkus, Heimdall.

EDUCATION

UNIVERSITY OF COLORADO BOULDER
Applied Computer Science, Post-Bacc Bachelor of Science - 2021 to 2022 - 3.86 GPA

UNIVERSITY OF CENTRAL MISSOURI
Mathematics, Bachelor of Science, Minor Physics - 3.72 GPA, Cum Laude, Dean's List

LINUX FOUNDATION
KCNA: Kubernetes and Cloud Native Associate Certification - January 2023

SKILLS

AWS, Kubernetes, kOps, Ansible, Jenkins, Linux, Gitlab pipelines, Git, Terraform, Virtual Machines, Networking, Containerization, Automation, Bash, Python, Debugging, Proof-of-Concept, System Administration, CVE Patching, Encryption, Authorization, Docker, Maven, Helm, Java, C++, Testing, Research, Agile, Thinking Outside the Box, Project Management, Effective Communication, Writing, Teaching, Graphic Design, Sales, Leadership, Negotiation

ENTREPRENEURSHIP

PROFESSIONAL EDUCATOR AND COMMUNITY ORGANIZER
Boulder, Colorado / September 2012 - May 2021

- Founded two in-person educational orgs, featuring international experts & vibrant online communities, eventually selling one. Coached hundreds of clients. Designed, marketed, led empowerment workshops.