

JULIA IMMER

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INTRODUCTION

Passionate, detail oriented engineer who thrives tackling difficult problems. Easily adaptable to new languages & tech, with experience in Linux administration, automation, infrastructure deployment, networking, & security.

EXPERIENCE

DEVOPS ENGINEER

Charter Communications / Contract / February 2023 - November 2023

- Deployed, configured, & administered infrastructure & CI/CD tools: On premise Linux VMs, network interfaces, DNS, agent installation/configuration, K8s, Jenkins pipelines, Jenkins masters & nodes, certificates, Gitlab pipelines & instances, Stash, AWS, load balancers, auto-scaling groups, OVFs, custom images
- Maintained & created automation: Ansible, Python, Bash, Jenkins, Terraform, certificate management, custom Jenkins libraries, AWS instance cleanup, FreeIPA & Bastions, K8s, key management, agent rollouts
- Provided support for critical infrastructure, assisting teams & CI/CD systems across the lab, responding to emergency outages, communicating with engineers to management. Jira ticket queue
- Performed security analysis & patching for Linux systems, ex: kernel, OpenSSL, OpenSSH
- Provided Access & Authentication services for managed systems including Centrify, AD, Keycloak, FreeIPA
- Planned, sandboxed, performed routine upgrades on infrastructure
- Proof-of-concept: Unblocked team after 3 mo deploying kubernetes 1.24 with kOps, 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 process 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

Linux (RHEL, CentOS, Ubuntu) administration, Ansible, Networking, DNS, Python, Bash, Jenkins, Gitlab CI/CD, Git, Kubernetes, kOps, Vsphere, AWS, Terraform, CVE Patching, Kenna, Encryption, Authorization, Certificates, Docker, Maven, Helm, Java, C++, Testing, Debugging, Proof-of-Concept, Jira, Agile, Thinking-outside-the-box, Project Management, Effective Communication, Writing, Teaching, Graphic Design, Sales, Leadership, Negotiation

ENTREPRENEURSHIP

PROFESSIONAL EDUCATOR AND COMMUNITY LEADER

Colorado / September 2012 - May 2021

- Founded two in-person & two online educational communities. Brought in international experts. Designed, marketed, led empowerment workshops. Sold one org. Coached hundreds of private clients.

PERFECT PITCH PROMOTIONS - Increased sales for local startups, organizing+hosting sales & marketing events

EMERALD MORNING - Designed, produced, marketed, sold original line of luxury natural body care products

RESEARCH

EPISTEMOLOGICAL BELIEFS, CONFIDENCE, AND ACADEMIC PERFORMANCE

- Conducted grant funded research investigating the relationship between math confidence, beliefs about math and academic performance. Grant awarded through the honor's college.