

Joseph Sam

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SKILLS

- App Deployment and Resource Provisioning, in Cloud environments (AWS, Azure)
- Infrastructure as Code (Terraform)
- Linux/Bash Administration
- Application Containerization and Configuration (Docker, Kubernetes, ECS)
- CI/CD Pipelining (Gitlab CI, Github, Jenkins, Argo CD)
- Programming (Python - Intermediate, Java - Beginner)

PROJECTS

- CI/CD Pipeline (with tests) for a Python Flask app that runs on S3 and EC2 resources automatically provisioned by Terraform code ([GitHub Link](#))
- Python Flask App push into a Gitlab CI Pipeline to create/update docker image and upload to ECS ([Gitlab Link](#))

EXPERIENCE

Cyber Security Engineer Intern

Remote

Integral Ad Science

Sept 2022 – Dec 2022

- Develop Python code to automate RBAC policies/authorization audits in SAAS platform
 - Built on serverless architecture with AWS Lambda, results stored in S3, automated ticket creation for action items in JIRA
 - Resulted in reduction of manual labor by 30 hours/month
- Create standardized Security Incident Playbooks for escalation/resolution
 - Reducing outages by 5%
- Create architectural diagrams of software, applications, systems, and microservices
 - Creating a mutual understanding of infrastructure between Dev and Ops

Feb 2022 – May 2022

- Develop Python code to automate monthly audit process
- Investigate AWS and FortiSIEM findings to resolve infrastructure vulnerabilities
- Draft After Action Reports for Executive team, following quarterly phishing test

DevOps Engineer Intern

Remote

Lawrence Livermore National Laboratory

Jun 2022 – Aug 2022

- Spearhead transition effort from OpenShift Templates to Helm Charts for apps and NoSQL databases as default OpenShift application management tool
- Create and manage CI/CD Pipelines for Helm Charts, application testing, integration, and delivery to Gitlab, Quay, and OpenShift (Gitlab CI) with implemented unit testing (PyTest)
- Design, implement, and administrate Podman/ OpenShift resources in Linux

IT Desktop Support Assistant

Pomona, CA

Cal Poly Pomona IT Classroom Tech

Jun 2021 – Jun 2022

- Bridge technical gap with client users (professors); ticket triage and resolution

EDUCATION

California State Polytechnic University, Pomona

Pomona, CA

B.S. Computer Information Systems, Info Security

Aug 2018 – Dec 2022