Andrew Amado
andrew@aamados.me

Work Experience

DevSecOps / Software Engineer II - *Lockheed Martin* • Apr 2022 - Present

- Developed GitLab CI/CD pipelines to automate critical tasks such as daily database backup validation and the installation of applications.
- Proficient in deploying and managing applications using Kubernetes and Helm.
- Enhanced Helm charts and installation process, leading to a first swift and successful pre-installation event.
- Utilized ArgoCD to manage multiple environments across Kubernetes clusters.
- Developed and optimized Docker images using best practices to minimize size while ensuring full functionality.
- Addressed security vulnerabilities in Docker images by scanning and then updating or removing problematic software packages to maintain compliance.
- Served as a Scrum Master, facilitating agile ceremonies and ensuring effective sprint planning and execution.
- Gained comprehensive knowledge of various systems, diagnosing both common and complex issues, and consistently applied problem-solving skills to assist colleagues and resolve problems efficiently.
- Gained proficiency in using AWS S3, IAM, and EC2 services for cloud storage, security management, and scalable computing resources.

Computer Science Teaching Assistant - *University of Central Florida* • May 2020 – Aug 2020

- Assisted professors in preparing and delivering course material, including lectures, lab sessions, and tutorials.
- Graded assignments, exams, and projects, providing constructive feedback to students.
- Conducted office hours to provide one-on-one assistance to students and address their questions and concerns.

Skillset

- **Programming/Scripting**: Python, Java, Bash, C/C++, JavaScript, HTML/CSS, SQL, PowerShell
- **Software/Tools**: Kubernetes, Docker, Helm, CLI, Cloudflare, Git, GitLab, CI/CD, Confluence, TrueNAS Scale, VSCode, AWS, Linux, Oracle DB, Elastic Stack, Jira, Postman, SonarQube, PHP, OpenShift, Rancher, Ansible, OAuth 2.0, Angular
- **Other**: Agile, Problem Solving, Communication, Critical Thinking

Education

B.S., COMPUTER SCIENCE - *University of Central Florida* • Jun 2018 - Dec 2021

Projects

TrueNAS Scale HomeLab – Dec 2022 - Present

- Built and actively maintain a homelab environment utilizing TrueNAS Scale running several hosted services.
- Utilized Helm charts and Docker Compose to deploy and configure applications including Cloudflare Tunnel, Minecraft servers, DNS servers, and NFS storage solutions.
- Configured an internal reverse proxy to enable multiple applications to run on the same port within a single IP address.

Personal Website – https://aamados.github.io/ • Jan 2022 – Feb 2022

- For additional information about myself and my projects, please visit my website.