

TYLER DURETTE

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OBJECTIVE

Ambitious, versatile DevOps Engineer with 5+ years of experience seeking a junior-level position where I will be able to build my career, challenge myself to expand my skills, and make meaningful contributions.

EDUCATION

Bachelor of Science: Integrated Science and Technology

Concentration in Telecommunications, Networking, and Security (TNS)

James Madison University | | Harrisonburg, VA | May 2021

SKILLS & KNOWLEDGE

- Scripting in Bash, Python
- IaC (Terraform, Ansible)
- CI/CD (Jenkins, GitHub Actions)
- Linux System Configuration/Troubleshooting
- AI Model Embedding, Fine Tuning, Research
- AI Agent Development & Automation
- AWS/Cloud Engineering
- Docker
- Data Science/Machine Learning
- Robotics, ROS, NML

WORK & PROJECT EXPERIENCE

DevOps Engineer – Booz Allen Hamilton (March 2023-present)

- Constructed VPC from the ground up with team of around 10 engineers for a Veterans Affairs project to lift-and-shift their old infrastructure from on-prem to AWS Gov Cloud in order to deliver veterans benefits through their various applications significantly faster
- Built the infrastructure using Infrastructure as Code (IaC) principles and tools including a combination of Terraform and Github Actions to deploy the infrastructure to the cloud (EC2 instances, security groups, IAM policies, load balancers, etc) and then Ansible playbooks to configure and install the various applications to those instances from a runner instance once deployed
- Terraform+Ansible workflows written to configure the migrated apps 100% automated and structured to configure 10+ different applications in multiple environments dev, stage, prod across VPC's. Roles and various inventory files were utilized to structure the repository in a streamlined manner
- Maintained Jenkins and Nexus instances and took on role as system admin for those systems during the migration process, and also work multiple workflows to sync/automate the promotion of artifacts from on-prem to the new cloud environments

DevOps Engineer – Forterra, Previous RRAI/Robotic Research LLC (August 2021-March 2023)

- Containerized our autonomy software in a network of Docker containers to replicate real vehicle configurations, and integrated them with third-party simulation software that provides various kinds of real-life data and displays necessary for most immersive and effective simulation
- Scripted a workflow of Bash and Python scripts to run simulation containers with new code builds deployed from our CI/CD pipeline; in which engineers now use daily for development and testing
- Maintain current CI/CD pipeline on Jenkins and assisting in the development of more robust CI/CD pipeline using Jenkins, GitLab, BlueOcean, Conan, Artifactory, and Groovy scripts
- Spearheaded upgrade of our source code to compile in newer version of Linux and assisted in migration of various projects from Subversion to GitLab
- Redesigned the deployment process of our Linux kits using Clonezilla, Ansible, and Bash scripts - reducing our deployment time from days to hours
- Troubleshoot various Linux machines and played crucial role in the debugging process while upgrading our operating system to newer version of Linux
- Forefront of multiple deployments and traveled up to 2 weeks at a time including internationally

Personal and Professional References Available