

Joshua R. Hill

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SKILLS

Cloud:	AWS Certified Cloud Practitioner (VN#: 7ccdd4f866164742a84be93b8dba7798)
Containerization:	Docker, Docker Swarm, Kubernetes, Helm
Configuration Mgmt:	Ansible, Some Puppet
Programming:	Bash, Java, Python
Tools:	Git, Make, Apache, Tomcat
Environments:	RHEL7, Fedora, Mandatory Access Control (SELinux), MacOS, Windows 10

PROFESSIONAL EXPERIENCE

Independent

November 2024 – Present

Software Engineering Tutor

Atlanta, GA

- Built and maintained long-term client relationships for personalized instruction and mock interviews.
- Provided 1:1 technical mentorship on course help, coding interviews, and modern full-stack development.

Itential

March 2023 – November 2024

Network Automation Engineer

Atlanta, GA

- Implemented large scale cellular network router device backup solutions for high profile clients.
- Educated and enabled customers on proprietary network automation platform usage for custom solutions.
- Orchestrated cross-collaboration between previously misaligned customer projects.
- Troubleshoot client Linux VM issues and platform bugs at all hours to minimize service interruptions.

Georgia Tech Research Institute

December 2019 – October 2022

Site Reliability Engineer

Atlanta, GA

- Worked onsite with GTRI CIPHER Lab to replace old infrastructure with Docker/Kubernetes solution.
- Used kickstart, coupled with ansible playbooks, to create an improved RHEL7 VM installation solution.
- Ensured reliability of onsite systems by performing system administration and troubleshooting as necessary.
- Maintained active TS clearance and worked in air-gapped network environment.

EDUCATION

University of Georgia

August 2015 – July 2018

B.S. Computer Science

Athens, GA

- 3.16/4.0 GPA.

PROJECTS

Open Source Server Implementations

- Custom built server tower running CentOS Stream 9.
- Configured Apache reverse proxy as front end to several implementations of open-source projects.
- Open source server project implementations include: Radicale, DokuWiki, Jellyfin, Radarr, Sonarr, Minecraft, Ollama AI (via Open WebUI w/ openedai-speech), GitLab, EJBCA, Home Assistant, and more.

K3s Cluster

- 4 Raspberry Pi computers running headless Raspbian Bullseye OS.
- Computers connected as a K3s cluster with external SSD storage.
- Infrastructure and configuration managed via Ansible for easy rebuild in case of extensive hardware failure.
- Docker container projects deployed via combination of Helm charts and simple docker-compose scripts.