JOSHUA **CRIPE**

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My objective is to continue working in DevOps roles while learning and seeking personal development in enriching opportunities and improving the world around me.

EXPERIENCE

2021 05 – PRESENT
DEVOPS ENGINEER, RACKSPACE

I am responsible for maintaining an internal application that provides services for building out new environments and updates from customer contracts to our internal billing and ticketing systems. This application is built upon the Python Django library using PostgreSQL, Redis, & Nginx on a Kubernetes environment.

2018 07 – 2021 05
OPENSTACK ADMINISTRATOR, RACKSPACE

I provided services to deploy private OpenStack cloud environments to customers on in-house or customer hosted hardware, including Dell, HP, and SuperMicro servers. We used the openstack-ansible or TripleO (OpenStack On OpenStack) methods for deployment depending upon the environment. The involved technologies included Ansible, Python, HAProxy, & Red Hat / CentOS / Ubuntu Linux.

2015 12 – 2018 07
LINUX ADMINISTRATOR II, RACKSPACE

I worked on our Enterprise Linux teams to provide operating system level customer support on large scale environments. Due to the number of involved systems, I began using ansible where it was applicable to help reduce my workload and provide more consistent results. The support I provided included everything from general questions and advice to service installation and configuration, including httpd, nginx, MySQL / MariaDB, Redis / MemcacheDB, sssd, LVM storage management, hardware & network troubleshooting.

2012 04 – 2015 10
LINUX SECURITY ADMINISTRATOR, HOSTGATOR

I began as a frontline support representative handling chats and phone calls for miscellaneous requests and worked my way up to a Linux Security Administrator position. This started with mitigating spam originating on the entirety of the HostGator network and led to me moving up to investigating and cleaning application-level compromises.

2004 03 – 2010 02
WHEELED VEHICLE MECHANIC (E-4/SPC, 63B), US ARMY RESERVES

I enlisted in the Army Reserves my Senior year of High School and was deployed to Central Iraq for 8 months in 2008-2009 in support of Special Operations Command Central.

EDUCATION

2012 12

BACHELOR'S OF SCIENCE, GAME & SIMULATION PROGRAMMING, DEVRY

3.48 GPA, Dean's List 7 out of 11 semesters
This program included Computer Science and Digital Media coursework with classes including basic object-oriented programming, x86 assembly, C++ work in TCP/IP networking, OpenGL & DirectX graphics, and finally working in various game engines including UDK4.

2008 05

COMPUTER SCIENCE, ARIZONA STATE UNIVERSITY

I attended classes at ASU including basic computer science work in Java and C++ as well as electrical engineering. In 2008, I was activated and deployed to Iraq. Upon returning home afterwards, I elected to move to DeVry University instead as their program had greater appeal to my interests and included more relevant courses, as well as the flexibility of online schooling.

SKILLS

- Linux Systems (Red Hat, CentOS, Ubuntu)
- Hardware (Dell, HP)
- Virtualization (VMWare, libvirt / KVM)
- Cloud (OpenStack, AWS)
- Programming Experience (Python, C++, Java)
- Web Services (httpd, Nginx)
- Databases (MySQL, MariaDB, PostgreSQL, Redis)
- Ansible
- Containers (Docker / Kubernetes, Podman)
- Troubleshooting & Self Motivated Learner

ACTIVITIES

I am very active in local volunteer efforts including community gardens, community medical care, and The Free Store Corpus Christi (a local 501c3 supporting the unhoused and underserved population). I am passionate about helping my community, environment, and have traveled to Louisiana for relief work in response to Hurricane Ida (2021). I advocate for civil rights, support the unhoused community, and am working on developing local food infrastructure.