

Ryan Young

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TECHNICAL SKILLS AND COMPETENCIES:

Software Technologies: Ansible, Python, Bash, Linux (Debian, RHEL), Cloud (AWS, Azure), VMware, Docker, Kubernetes, IaC (Terraform, Pulumi), Venafi, LVM, Git, Java, C++ , SQL, MongoDB, RabbitMQ, Redis
Hardware Technologies: F5, AVI, IBM Mainframe, ESP32, Raspberry Pi, x86
Software Development: REST API, Distributed Systems, Agile Development, Unit Testing, Object Oriented Design
Software Operations: Log Analysis, Production Monitoring (ELK Stack, Splunk), Change Management, Incident Management, Certificate Management, ITIL

WORK EXPERIENCE:

Charter Communications

Englewood, CO

Cloud Solutions Engineer III

September 2023 – March 2024

- Supported Wireline Activation Development Team with Infrastructure needs.
- Developed a platform to create new environments for development team's testing using Ansible and VMware.
- Created POC and tested process for Redis cluster upgrade for Production.
- Automated and maintained inventory tracking from VCenter to Confluence using Python.
- Performed deployments for the development team to test and QA environments.

Propelus

Boulder, CO

DevOps Engineer

July 2022 – September 2023

- Supported IT infrastructure and deployments for Propelus' 70 applications.
- Reduced access time to infrastructure by leveraging python to create a plugin for terminal access app (Royal TS).
- Reduced downtime of production system by improving Ansible scripts to patch root causes across all systems.
- Improved Time to Resolution for incidents by creating Splunk Alerts for common errors.
- Provisioned New Relic Roles with Pulumi by integrating it into Cloud provisioning automation.
- Identified security vulnerabilities within the systems and made plans to resolve.
- Troubleshoot web app and database performance incidents with the ELK Stack.

Fidelity Investments

Covington, KY

Systems Engineer

June 2020 – July 2022

- Maintained and supported IT infrastructure for over 300 applications.
- On-boarded net-new applications and developed CICD pipeline for prod and non-prod environments.
- Migrated on-prem applications to Kubernetes (EKS, AKS, on-prem clusters).
- Renewed and installed certificates for F5/AVI load balancers and web servers by leveraging Venafi.
- Maintained HTTP endpoint monitoring and alerting.
- Engaged in effective communication with customers to achieve successful provisioning of applications.
- On-call support 9 AM – 9 PM rotation for application incidents and production deployments.

Worldpay

Mason, OH

Software Engineer Intern

May 2019 – June 2020

Siemens Software

Milford, OH

Software Engineer Intern

January 2019 – April 2019

U.S. Bancorp

Cincinnati, OH

Software Engineer Intern

August 2017 – August 2018

PROJECTS:

HomeLab:

- **Services managed:** dnsmasq (DNS, DHCP), Fileserver (samba), VPN (OpenVPN), ELK Stack, Jenkins, Gitlab, Plex, Docker, Docker Registry, RabbitMQ, PostgreSQL DB, MongoDB, Apache httpd, Rancher, Kubernetes
- Host server enabled with VirtualBox hypervisor
- Ansible playbooks provision VirtualBox VMs and install software packages for the specific VMs

Sec-Suite:

- Distributed application written in Python and GoLang. Leverages RabbitMQ for messaging
- App reads from daily SEC (sec.gov/edgar) filings and loads them into PostgresDB

- App can print out filings to identify trends in company financials

EDUCATION:

University of Cincinnati, BS, Information Technology, 2020

Track: Software Development

Dean's List 2017, 2018