

# Ryan Young

ryanyoung1@hotmail.com | rcyoung.net | (440) 520-8141 | Denver, CO

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## TECHNICAL SKILLS AND COMPETENCIES:

**Software Technologies:** Ansible, Python, Linux (Debian, RHEL), Cloud (AWS, Azure), VMware, Docker, Kubernetes, IaC (Terraform, Pulumi), Venafi, LVM, Git, Java, C++ , SQL, MongoDB, RabbitMQ

**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

## 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