# Alfred Brown

## DevOps Engineer

Love learning and implementing fast reliable secure systems

alfred.l.brown24@gmail.com

9106763948

Fayetteville, United States

## WORK EXPERIENCE

### DevSevOps Engineer
**Millennium Corporation**

*11/2023 - Present*                    *Fayetteville, NC*

*Achievements/Tasks*

- Maintain NIST 800 security controls of vulnerable systems. Including Windows, Linux, and Network components via AWS.
- Implement and Maintain monitoring and alerting best practices using AWS SNS topics and Mattermost AWS SNS plugins.
- Create automated CI/CD pipelines using Github Actions, Gitlab CI, and AWS Codepipeline to streamline processes and procedures from development to production.

### Site Reliability Engineer
**Secondfront**

*11/2022 - 10/2023*

*The continuous accreditation and deployment of commercial software is crucial for U.S. national security missions.*

*Achievements/Tasks*

- Maintaining reliability, performance, and observability for customer platforms. Using IAAS AWS, EKS, and customer deployed applications.
- Configuration of Grafana using loki and prometheous (better known as our PLG stack). Used to display metrics and log data information for customer, platform, and infrastructure.
- Automation of configuration for PLG stack in Python, BDD testing of Grafana configuration for customers,

### DevOps/Platform Engineer
**Raytheon Technologies**

*08/2018 - 11/2022*

*US Airforce Enterprise Platform Operations Center / Kesselrun.*

*Achievements/Tasks*

- Experience with automated solutions for CI & CD into a cloud environment like Amazon AWS and Vsphere.
- Create, implement and manage PCF/K8s deployments in a production environment to ensure high availability and reliability.
- Provide expertise for operational management of PCF on monitoring, management, disaster recovery, security, compliance/auditing, networking and storage.
- The ability to operate at Scale, currently managing 1,000+ application instances with over 25,000+ active users with a small team of 20 individuals.

## SKILLS

AWS · K8s · Cloud Foundry · Python · GOLANG · MYSQL · Postgres · Bash · Linux · Vsphere · Grafana · prometheus · Loki · Concourse · IAAS · PAAS · Github · GH Actions · Gitlab · flux · helm

## CERTIFICATES

Comptia Certified Advanced Security Practitioner (CASP) CAS-001

Comptia Security Plus SYO-401

Comptia Network Plus

Comptia Server Plus SKO-003

## EDUCATION

### Bachelor of Science in Computer Science, Minor in Leadership
**North Carolina Agricultural and Technical University**

*08/2007 - 12/2011*

## INTERESTS

DevOps · Basketball · Family · Tech · Travel