Jeffrey Allen

Active Top Secret Security Clearance
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PROFESSIONAL SUMMARY

11 years of industry experience and a Master's Degree in Software Engineering. I'm proficient at object-oriented programming, full-stack web development, agile methodologies, and enterprise application deployment using Kubernetes. I'm currently motivated to work on platform engineering and DevOps roles.

EXPERIENCE

Sr. Principal DevOps Engineer | Northrop Grumman Corporation   April 2025 - Present
- Create and maintain Kubernetes clusters using Microsoft's and Amazon's Landing Zone Accelerator
- Migrated to hardened, minimal container images reducing application attack surface by 90%
- Deploy multiple CNCF graduated, incubating, and sandbox applications in a highly available configuration
- Architect, deploy, and maintain the open-source identity/access management solution Keycloak
- Advise teams on how to create the best CI/CD pipeline solution for their software development use cases

Sr. Principal DevOps Engineer | Northrop Grumman Corporation   May 2022 - April 2025
- Create, maintain, and troubleshoot Kubernetes clusters
- Build container images that adhere to OCI standards and maintain registry of images for teams to use
- Install/configure/develop/maintain virtual environments using VMWare's ESXi environment with Ansible
- Active Directory administration with concentration on providing specialized permissions
- Advise teams on how to create the best CI/CD pipeline solution for software development
- Atlassian tool suite administration (Crowd, Jira, Confluence, Mattermost)

Platform Engineer | Northrop Grumman Corporation / Lockheed Martin Corporation   Apr 2020 - May 2022
- Administer, improve, and maintain build tools, applications, libraries, and machines
- Ensure Software Development Environments are up-to-date, relevant, and security compliant
- Generate Cyclomatic Complexity reports by using Berkley's UCC standardized tool

Software Engineer | Northrop Grumman Corporation   Apr 2019 - Apr 2020
- Participate in project planning, sprint planning, daily standups, sprint reviews, and sprint retros
- Collaborate with government customers to translate requirements into working features/products
- Raise unit test coverage of source code above 60% 4 months ahead of schedule

Cloud Application Developer | Nobletech Solutions Inc.   Jan 2018 - Apr 2019
- Implement email system, authentication system, and introduce AJAX techniques
- Upgrade application from PHP 5.6 to 7.1 while maintaining passing unit tests
- Architect web application infrastructure on Microsoft Azure cloud platform

Software Engineer | Canvas Inc.   Oct 2016 - Jan 2018
- Write technical documentation and software process frameworks in an agile environment
- Teach interns how to build a website using a LAMP stack in one summer
- Create interactive financial graphs using the Google Charts JavaScript API

CERTIFICATIONS & SKILLS

- ➢ Certified Kubernetes Administrator (CKA)
- ➢ Security+ | AWS Cloud Practitioner | Microsoft Azure Administrator | Professional Scrum Master I
- ➢ **Proficient Programming Languages**: C++, Go, Python, JavaScript
- ➢ **Conversational Languages**: Java, C/C#, PHP, Swift, SQL
- ➢ **Operating Systems**: Linux (Redhat 7/8/9, Amazon's Linux, Debian), Mac OS, Windows
- ➢ **Tools**: Kubernetes, Ansible, Docker, Gitlab, Hashicorp Products (Terraform, Vault, Packer, Vagrant)

EDUCATION

University of Alabama in Huntsville
Major: M.S. Software Engineering   Huntsville, AL
                                                                  2024

University of North Alabama
Major: B.S. Computer Science **Minor:** Mathematics   Florence, AL
                                                                  2015