

Jeffrey Allen

Software Engineer/Cloud Application Consultant

Active Security Clearance

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Professional Summary:

Software engineer with 10 years of experience in object-oriented programming, full-stack web development, agile methodologies, and enterprise application deployment using Kubernetes. I am currently improving my knowledge of distributed systems by working in a DevOps role and focused on finishing my Master's Degree in Software Engineering with a focus on parallel programming.

Skills:

Proficient Languages: Java, C++, Python, PHP, HTML5/CSS3, JavaScript, Go

Conversational Languages: C/C#, Objective-C, Swift, SQL

Tools: Kubernetes, JIRA, Git, Ansible, Jenkins, Gitlab Runners, VSCode, Vim, Django, Twilio, Amazon & Google API's, Maven, SonarQube, Nexus 2 & 3, VMWare, Windows Administration Tools

Operating Systems: Linux (Redhat 6/7/8, Amazon's Linux, Debian 9), Mac OS X, Windows (7/8/10/11)

Professional Experience (Side project information available upon request):

Principal Software Engineer at [Northrop Grumman Corporation](#) (May 2022 - Present)

- Create, maintain, and troubleshoot Kubernetes clusters
- Build containers 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
- Automate the process of creating virtual machines and install dependencies with Ansible scripts
- Active Directory administration with concentration on providing specialized permissions
- Develop Python scripts to automate interacting with RESTful API's
- Advise teams on how to create the best CI/CD pipeline solution for software development
- Atlassian tool suite administration (Crowd, Jira, Confluence, Mattermost)

Development Environment Specialist at [Northrop Grumman Corporation](#) contracted to [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 at [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

Web Application Developer at [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

Education/Certifications:

- ★ [Security+](#), CompTIA (Jul 2023)
- ★ [Certified Kubernetes Administrator \(CKA\)](#), The Linux Foundation (Mar 2023)
- ★ [AWS Cloud Practitioner](#), Amazon (Feb 2022)
- ★ [Professional Scrum Master I](#), Scrum.org (Nov 2017)
- ★ M.S. Software Engineering; GPA 3.9 The University of Alabama in Huntsville (In Progress)
- ★ B.S. Computer Science; Minor: Math, GPA 3.19, University of North Alabama (May 2015)