

Nathan Wyand

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Summary

Creative DevOps Engineer with a security clearance and software development experience. Comfortable troubleshooting technical issues with customers. Seeking an in-person role in Lynchburg, Virginia.

Clearances & Certifications

- TOP SECRET Security Clearance
- CompTIA Security+ ce (XC5SB01HSPBEQPKS)

Core Skills

Kubernetes	Helm	Docker
Terraform	Git	GitLab CI/CD
AWS EC2, ECR	GNU/Linux, Bash	Kafka
Python	REST APIs	JSON/CSV Parsing
Ansible	Apache2	Windows Server

Experience

Software Developer at CloudFit Software (Sep. 2024 - Present)

Software Developer at GA-CCRi (Jan. 2022 – Sep. 2024)

- Software Deployment
 - Built configurable, user-friendly Helm charts for deployment of Kubernetes resources
 - Designed Gitlab CI pipelines to deploy a temporary instance of an application for each merge request
- Infrastructure
 - Configured and deployed Kubernetes clusters to the cloud with Terraform
 - Worked with AWS EC2, ECR, and load balancers
- Security
 - Set up Renovate to automatically create merge requests when new dependency versions are released
 - Secured app deployments by building off of vetted upstream images and deploying with read-only filesystems and non-root execution

Service Technician at Integrated Technology Group (Mar. 2020 – Aug. 2021)

- System Administration, OS Configuration
 - Troubleshooted Windows, Office 365, and customer line-of-business applications, managing associated vendor support cases.
 - Redeployed network printers to three (3) departments in a medical facility, improving reliability and print times.
- Documentation and Compliance
 - Designed standard format for documenting client line-of-business applications.
 - Built exhaustive Windows 10 and MacOS initial configuration checklist.
- User Policies, Identity and Access Management
 - Refactored Active Directory and Group Policy structure for a sizable medical practice.

- Managed Microsoft 365 and AD account creation and decommissioning for clients.

Instructor at Vector Space (Jan. 2018 – Dec. 2018)

Photocopier Technician at LBM Office Solutions (Oct. 2016 – Dec. 2017.)

Vex Robotics Coach at Loch Raven Technical Academy (Sep. 2014 – Feb. 2016)

Education

Data Science Student at The Flatiron School (Nov. 2018 – Nov. 2019)

- Received Data Science Certificate for completion of program.
- Python
 - Scraped USDA egg processing data and created Egg Decoder, a tool for finding how far a carton of eggs had traveled (source code).
 - Trained a TensorFlow model to locate under mapped areas in OpenStreetMap based on infrared LandSat satellite imagery (source code).

Project Work

- Created grocery price comparison web app on the Flask web framework (source code).
- Built an app with AWS Lambda and DynamoDB which leverages OpenStreetMap tags to compare information for 2 cities (source code).
- Documented several obtuse NOAA weather APIs as part of a DataKind collaboration with the Audubon Society (source code).
- Wrote personal website in Markdown and deployed using Jekyll and a custom CI build script (source code).