

Noah Heath

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[LinkedIn](#)
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[Portfolio](#)

CLOUD ENGINEER with a proficient background designing and implementing robust cloud-based solutions, leveraging 5 years of intelligence data analytics. Holds AWS and GCP associate certifications with an active TS/SCI clearance, bringing a unique blend of military precision and cloud engineering proficiency to configure and maintain cutting-edge technologies seamlessly.

EXPERIENCE

Allegiant Giving, Remote — Cloud Engineer Intern

July 2023 – January 2024

- Engaged in a dynamic DoD Skillbridge internship, immersing into real-world cloud engineering scenarios
- Set up and configured cloud environments, troubleshooting issues to ensure seamless deployment of solutions
- Implemented networking solutions on AWS and GCP, including the configuration of Virtual Private Clouds (VPCs), Elastic Load Balancers (ELBs), and Auto Scaling Groups (ASGs)
- Integrated data analytics solutions on AWS (Kinesis, Athena, Glue, EMR) and GCP equivalents
- Delivered tangible results through significant deliverables

USAF | NSA, Ft Eisenhower — Intelligence Data Analyst

May 2022 – July 2023

- Drove communication signals intelligence collection and production, specializing in technical and data analysis
- Analyzed and interpreted 25 key datasets, offering valuable feedback and guidance to stakeholders
- Maintained databases of signal types and activities, ensuring metadata, query, data restructuring, and signals development adhere to DoD standards

USAF | NSA, Ft Eisenhower — Intelligence Operator

January 2019 – April 2022

- Intelligence liaison between Combined Air & Space Operations Center, NSA, and US Central Command tactical elements
- Oversaw 36 threat warning missions, drafting 51 reports, and tipping 18 enemy fighter reactions, fortifying \$62 billion in aircraft and aircrew survivability
- Delivered enemy activity pattern analysis and coordinated data exchanges

SKILLS

- Cloud Service Providers (AWS, GCP)
- Infrastructure as Code (Terraform, CloudFormation)
- Containerization (Docker, K8s)
- CI/CD tools (GitHub actions)
- Networking and Security protocols (TCP/IP, VPC, Firewall, SSL/TLS)
- Cross-functional Team Collaboration
- Programming languages (Python, JavaScript)
- Data Analytics (SQL, NoSQL, Visualization)
- Verbal / Written Communication
- System Admin (Windows, Linux)

DELIVERABLES

SERVERLESS WEBSITE

- Portfolio website for Cloud Resume Challenge using AWS.
- Amazon S3 for scalable file storage and enhanced security with CloudFront and HTTPS
- JavaScript-based visitor tracking, storing data in DynamoDB, and API-Lambda for real-time updates
- IaC using AWS SAM for efficient deployment
- GitHub repo and GitHub Actions for source control and CI/CD

TERRAFORM MONOLITH RECONFIG

- Restructured monolithic TF config, improving scalability and manageability
- Implemented separate directories and states for dev and prod environments

EDUCATION

Bachelor of Science in Cloud Computing *Western Governors University*

January 2024 – Expected 2025

Associates in Intelligence Studies and Technology *Community College of the Air Force*

January 2018 – August 2022

CERTIFICATIONS

AWS Solutions Architect Associate

December 2023

GCP Associate Cloud Engineer

September 2023

Google Data Analytics Certificate

August 2023

APPLICATION BACKEND W/ AWS

- AWS CloudFormation provisionS S3, API Gateway, and Lambda functions
- Tests implemented leading to code refactoring for improved performance
- CodeBuild used to automate the build, tests, and report generation for each code change
- CodePipeline's seamless integration with CodeBuild for continuous delivery

MILITARY SERVICE

- United States Air Force
- Honorable Discharge
- Jan 2018 – Jan 2024
- Staff Sergeant (E-5)
- Specialty Code: 1N271C (Signals Intelligence Communications Analyst)
- Awarded Distinguished Graduate / Air and Space Achievement Medal