

# Christopher Mello

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Multi Certified AWS Software Engineer and DevOps Project Manager

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<http://christopher-mello-aws-weston.link/>

<https://www.youtube.com/@chrismello7906>

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I am a multi-certified AWS Software Engineer and DevOps Project Manager with extensive hands-on experience working in the AWS cloud platform, including managing EC2 instances, user access lists, ALB's , VPC networks, Lambda functions, machine learning templates, and setting up Cloud9 environments (copilot). I also manage AWS using terraform, using git repositories, and developing Kubernetes clusters. The stack includes load balancing Big Data ingest queues for storage into hdf5. Test beds are built on the AWS cloud including; Ansible playbooks, Jenkins, BigFix, DevOps builds and many more. Also, the major API is a complex python based web interface used for thousands of users daily across the country. Finally, I also have experience with onsite Active Directory.

# Work Experience

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## Lead Hyper-converged Infrastructure Cloud Developer

U.S. Department of Commerce

March 2020 to Present

- AWS certified team lead converting six major government departments to an AWS cloud environment
- Led detailed hands on aws training sessions
- Managed and upgraded a multilayered Python web APIs on AWS cloud
- Set up beta builds platforms on AWS including 100 VPC subnets, EC2's, userpools and security protocols
- Used Ansible automation to upgrade and monitor systems
- Managed a Big Data Q that is stored as hdf5 files
- Wrote thousands of lines of Python code
- Worked with a team to set up Lambda functions to trigger off of current forecasts (Python)
- Coordinated and directed hypervisor installations on multiple racks for VMM by writing modification notes
- Improved architecture for recording and retrieval of mega datasets using S3 Glacier

- Configured BigFix monitoring software to link with Azure cloud VM

## **Cross Platform Computer Network Engineer - National Hurricane Center Miami**

NOAA: National Oceanic & Atmospheric Administration - Miami, FL  
October 2014 to March 2020

- Managed network Linux (AWIPS) design, project managers and operations technicians for NHC and collocated agencies
- .Transitioned legacy NHC web page to AWS in 2017
- Created an AWS hurricane hunters software platform for sharing data. (2019)
- Set up a Devops environment on the AWS cloud to transition NAWIPS to AWIPS (a major project) (2017-2020)
- I wrote multiple Lambda functions
- Built an entire AWS stack to test data flow and convert python2 to python3 (2017-2020)

## **Information Technology Officer-**

National Weather Service - Cleveland Ohio  
October 2002 to March 2014

- Managed Microsoft Active Directory
- Primary Linux administrator

- Managed data flows and file systems

# Education

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## Master's degree in Data Science

UH at Manoa - Honolulu, HI  
August 1996 to February 1999

# Skills

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Do you have any of these top skills employers are looking for?

Jenkins

VMWare

CI/CD

S3

SQL

HTML5

Cloud Computing

Ant

Dismiss

AWS

Python

Git

Java

Linux

Shell scripting

Agile  
Dev Ops  
MySQL  
Docker  
Javascript  
SVN  
Microsoft SQL server  
Apache  
Scripting  
Ansible  
Github  
Operating systems  
Terraform

## Awards

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**National Hurricane Center Cline Award**

October 2019

## Licenses & certifications



[AWS Certified Developer – Associate Amazon Web Services \(AWS\) Issued Oct 2022 · Expires Oct 2025 Issued Oct 2022 · Expires Oct 2025](#)



[AWS Certified Cloud Practitioner · Expires Oct 2025](#)



[AWS Solution Architect Expires 2025](#)



[FAC P/PM Project Management Certification - 2022](#)