

# Myles Lamb

[github.com/mylesalamb](https://github.com/mylesalamb)

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**EDUCATION**      **University of Glasgow**, Scotland  
*Bachelor of Science (Bsc)*, Computer Science  
Honours of the first class (1:1) **Sept 17 - June 21**

**TECHNICAL SKILLS**      **Languages :** Python3.x, C, POSIX shell  
**Tools/Frameworks :** Jenkins, Kubernetes/OpenShift, Helm  
**Other:** JFrog Artifactory, MongoDB, AWS: DAX (DynamoDB), EC2, Lambda

**EXPERIENCE**      **Morgan Stanley : Technology Associate** **Jun 20 - Present**

I have primarily been working within the DevOps space with a particular focus on software distribution with JFrog Artifactory. This role has lead me to pursue a variety of different areas such as.

- Exploring Peer-to-peer caching technologies delivering increased resiliency as well as performance with JFrog PDN.
- Developing access monitoring solutions using MongoDB to decommission stale packages.
- Architecting deployment and load balancing patterns for data intensive distributed systems.

Additionally, I undertook a project exploring a public cloud hosted cache for market data instruments.

- Utilising AWS lambda for transparent auto-scaling of data ingress and document processing.
- Developing a data model, for efficient document storage using Amazon's accelerated DynamoDB offering.
- Using Apache JMeter for load testing, and metrics gathering.
- Automating deployments of infrastructure using IaC (AWS CloudFormation).

**PROJECTS**      **TauOS** **Jun 21**

A C based operating system targeting the Raspberry Pi 4B. Featuring some basic kernel utilities, and bespoke development tooling.

- **Technology/Tools:** C, ARM64 Assembler, GNU Make
- **Link :** [github.com/mylesalamb/TauOS](https://github.com/mylesalamb/TauOS)

**Where Is ECN Stripped On The Network?** **Jun 21**

A Network measurement study that I conducted as part of my honours degree. This involved the production of a new network analysis tool, measuring the traversal of ECN markings for temporal comparisons, as well as measuring ECN inhibitors for novel network protocols such as QUIC.

- **Technology/Tools:** C, Terraform, AWS, Python
- **Link :** [mylesalamb.com/static/IndividualProject.pdf](https://mylesalamb.com/static/IndividualProject.pdf)

**RELEVANT COURSES**      • Advanced Systems Programming      • Networked Systems  
• Advanced Software Engineering Practices      • Operating Systems  
• Functional Programming      • Distributed and Parallel Systems

**References available on request**