**How your systems are performing for the real world?**

We will look metrics and we have three major metrics;

**Environment metrics**: Themetrics that refer to the environments the application is running

- CPU and memory utilization,

- disk space, number of read I/Os,

- number of write I/Os in your database,

- Operational things that help you to detect architectural bottlenecks, and do optimizations.

- The monitoring of operations; the states of the CI/CD pipeline, configuration changes, and logging

**Application metrics:**

-How much time those specific routines take to complete?

-what routines are more expensive in terms of compute, memory resources?

For application metrics, you can count them with the help of AWS X-Ray and CloudWatch custom metrics.

**Network metrics:**

**-** latency measurements, packets per second, and networking aspects of the operation.

-Network monitoring is also relevant if you have clusters, and lots of internal communication between your servers.

-If your resources are sitting in the VPC-- like, EC2 instances and RDS databases-- you can leverage AWS managed services like VPC Flow Logs,