* **Docker:** container technology to run applications
* **ECS:** run docker containers on EC2 instances
* **Fargate:**
* Run docker containers without provisioning the infrastructure
* Serverless offering (No EC2 instances)
* **ECR:** Private Docker Images Repository
* **Batch:** run batch jobs on AWS across managed EC2 instances
* **LightSail:** predictable and low pricing for simple application and DB stack

**Lambda Summary:**

* Lambda is serverless, Function as a Service (FaaS), seamless scaling, reactive
* Lambda billing:
* By the time run x by the RAM provisioned
* By the number of times lambda is invoked
* Language Support: many programming languages, except docker
* Invocation time: up to 15 mins
* Use cases:
* Create thumbnails for images uploaded to S3
* Run a serverless cron job
* API Gateway: expose lambda function to HTTP API