AWS Services

1. AWS Security fundamentals

* How IAM works and how to write policies to control access in an AWS account
* How AWS [APIs](https://www.educative.io/blog/what-is-an-api?eid=5082902844932096) work within the IAM infrastructure
* How to configure access inside AWS using the AWS policy structure
* How to secure an account as an administrator and a developer
* AWS security best practices

Dynamic DB deep drive

* How to use DynamoDB
* Table creation, security, and monitoring
* How to query and scan data from DynamoDB tables
* How to manage access control and monitor usage

Quick start Kubenetes

* How to break deployment and how Kubernetes can fix it
* How to build a cluster, containerize an application, and deploy it
* How to scale an application up and down
* How to perform rolling updates to an application
* And more

Web application security

* Content security policy
* How to secure web applications using HTTP security headers
* How to test and monitor for security headers
* How to adopt new browser and HTTP security standards to migrate from existing headers
* And more

Building enterprise application with spring boot

* How to build a fully functional application
* How to improve applications by adding new features
* Spring Boot auto-configuration, database integration, and web services
* How to monitor with Spring Boot Actuator
* **Artificial intelligence and machine learning**: Amazon AI, [Alexa Voice](https://www.educative.io/blog/learn-alexa-skills-from-amazon-for-free?eid=5082902844932096), Amazon Polly, etc.
* **Big data analytics and management**: Amazon Kinesis, Amazon Elastic MapReduce, etc.
* **Compute**: AWS Elastic Beanstalk, AWS Lambda, Amazon Elastic Compute Cloud (EC2), Amazon Elastic Container Service (ECS), etc.
* **Database**: Amazon DynamoDB, Amazon Relational Database Service (RDS), Amazon Redshift, etc.
* **Dev tools and application services**: AWS CodeBuild, AWS CLI, AWS API Gateway, etc.
* **Management**: AWS CloudWatch, AWS CloudFormation, AWS CloudTrail, etc.
* **Messaging**: Amazon Simple Queue Service (SDS), Amazon Simple Notification Service (SNS), etc.
* **Migration**: AWS Migration Hub
* **Mobile development**: AWS Mobile Hub, AWS Amplify, AWS AppSync, etc.
* **Networking**: Amazon Virtual Private Cloud (VPC), Amazon CloudFront, Amazon API Gateway, etc.
* **Security**: AWS Identity and Access Management (IAM), AWS Directory Service, Amazon Inspector, etc.
* **Cloud storage**: Amazon Simple Storage Service (S3), Amazon S3 Glacier, Amazon Elastic Block Store (EBS), etc.
* **Additional services**: Amazon Internet of Things (IoT), Amazon WorkDocs, Amazon Chime, etc.