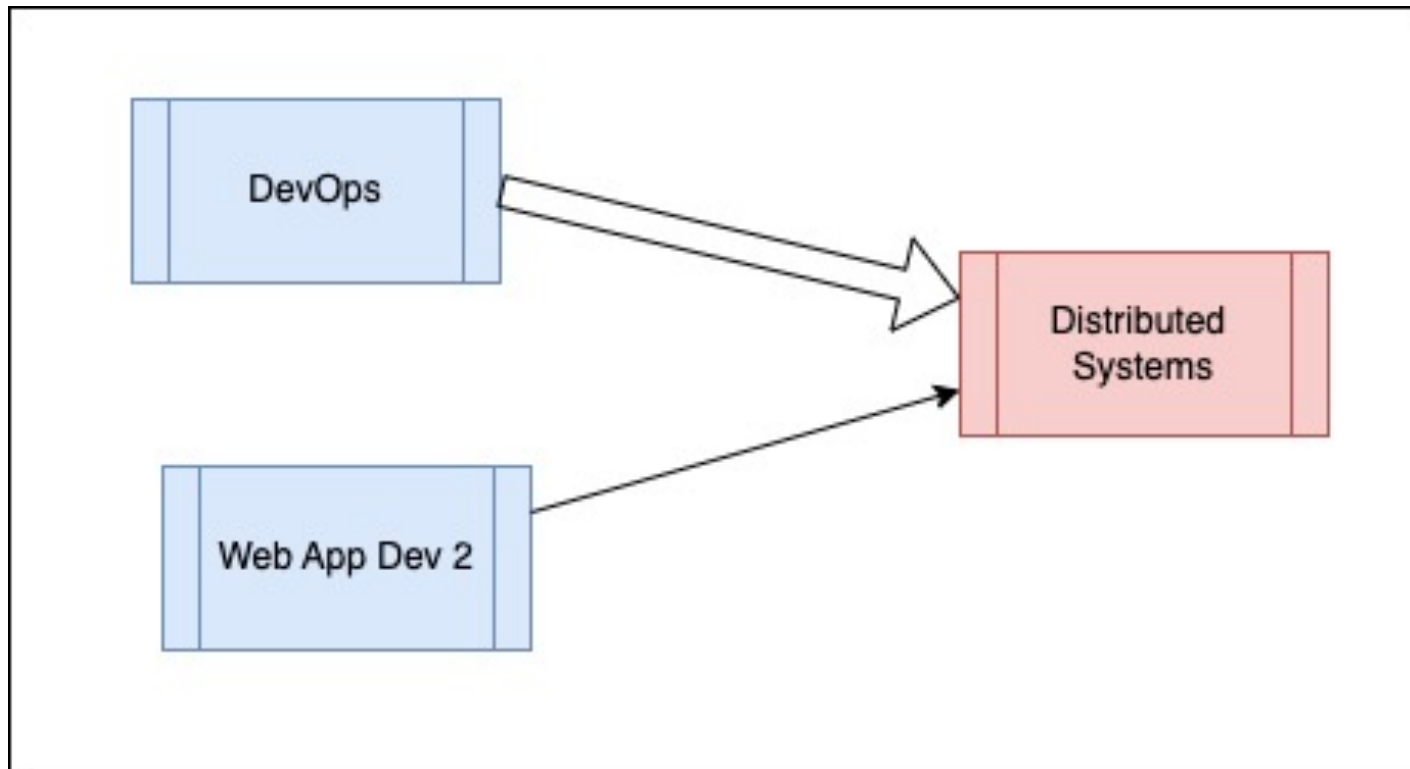# Distributed Systems

Context.

Overview.

- …. to comprehend the <u>architecture</u> of a modern, distributed (cloud-based), service-oriented application and the skills to <u>develop and deploy</u> same for a <u>constrained</u> set of requirements …….

- Key themes:
  - Infrastructure As Code (IaC)
  - Serverless
  - Scalability.
  - Microservices architecture
  - Event-driven architecture

- Language: TypeScript

Pre-requisits

- **An AWS account.**

- **AWS CLI**

- **NodeJs platform**

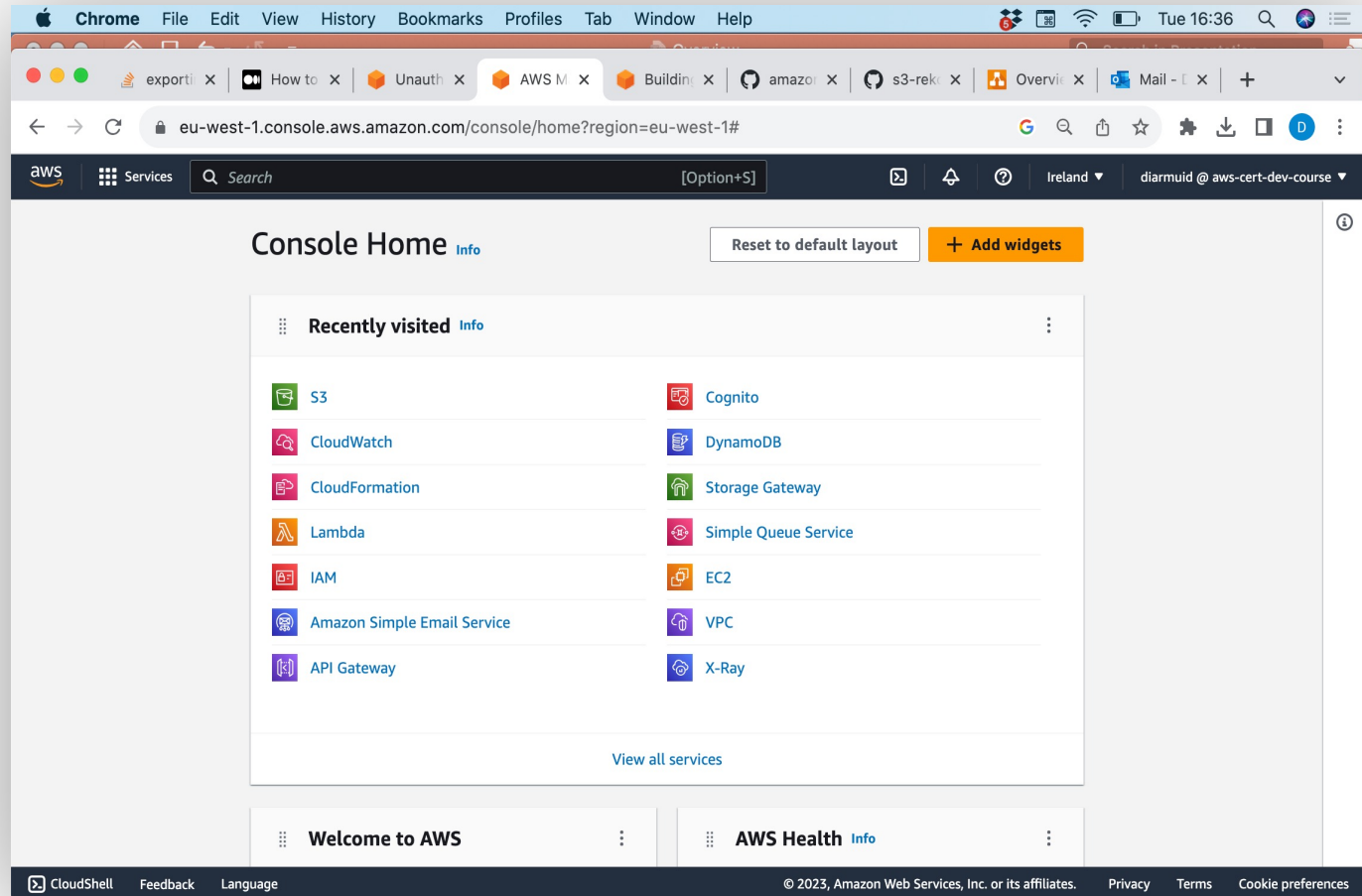- **VS Code editor**

- **Git and GitHub**

- **JavaScript**

Pre-requisits

- **The (AWS) Management Console**

Structures

- **Contact hours:**
  - **Two lectures (Online)**
  - **Two lab hours**
- **Assessment**
  - **100% Continuous Assessment**
  - **Lab work handups**
  - **Two assignments**
- **Sources**
  - **Website - https://reader.tutors.dev/course/distributed-systems-setu-waterford**
  - **Moodle (Assignments) - https://moodle.wit.ie/course/view.php?id=199949**
    - **Self-enrolment key – ds2023**
- **Slack –** Invitation link https://join.slack.com/t/cloudapps-hq/shared_invite/zt-22p1my384-R6DxsOjYJwcVRW1Tu2XaXg