

# CLOUDFLARE IMMERSE, DUBAI HACKATHON

Sept, 2025

# Agenda

- 1 Welcome
- 2 Simple Follow Along - Building Workers AI Applications
- 3 Hackathon
- 4 Groups Presentations & Present the Winners

A hackathon is a social coding event among programmers and enthusiasts designed to improve and refine existing software or create something new. In this context, "hacking" refers to clever and creative demonstrations to solve problems or develop software.

## Are you Ready?



# Overview :

- The first objective of this Hackathon is to challenge “developers” to build web applications using Workers AI and the Cloudflare Development platform
- The second is to design a highly secure configuration e.g secure APIs with rate limits or restrict access to email groups or connect to origins through Cloudflare Tunnels.

# Hackathon Tasks:

## 1. Setup and Configuration

- Deploy Cloudflare Services such as API Gateway, WAF and Zero Trust
- Configure DNS and Ensure Secure routing of API traffic via Cloudflare

## 3. Performance Optimisation

- Leverage Caching for API responses
- Configure Load Balancing for high availability and failover

## 2. Implement Security Policies

- Create API Authentication Mechanisms using Cloudflare Access or API Gateway.
- Configure and Test WAF rules to prevent common vulnerabilities,
- Implement IP restrictions and geofencing to block unauthorized access

## 4. Monitoring and Automation

- Set up Cloudflare Logs to monitor real-time traffic and detect anomalies.
- Use Automation tools (e.e Terraform ) to manage Cloudflare Configuration
- Implement Alerting for Traffic Spikes

# Evaluation Criteria:

## Most Complex

- Are there Unique/Creative uses of Cloudflare Tools ?

## Most Secure

- How well the configuration secure APIs and Prevent Threats ?

## Public Vote

- What do your peers like?

# Tutorial

**<https://immerse-dubai-25.pages.dev>**

# Hackathon



# Winners