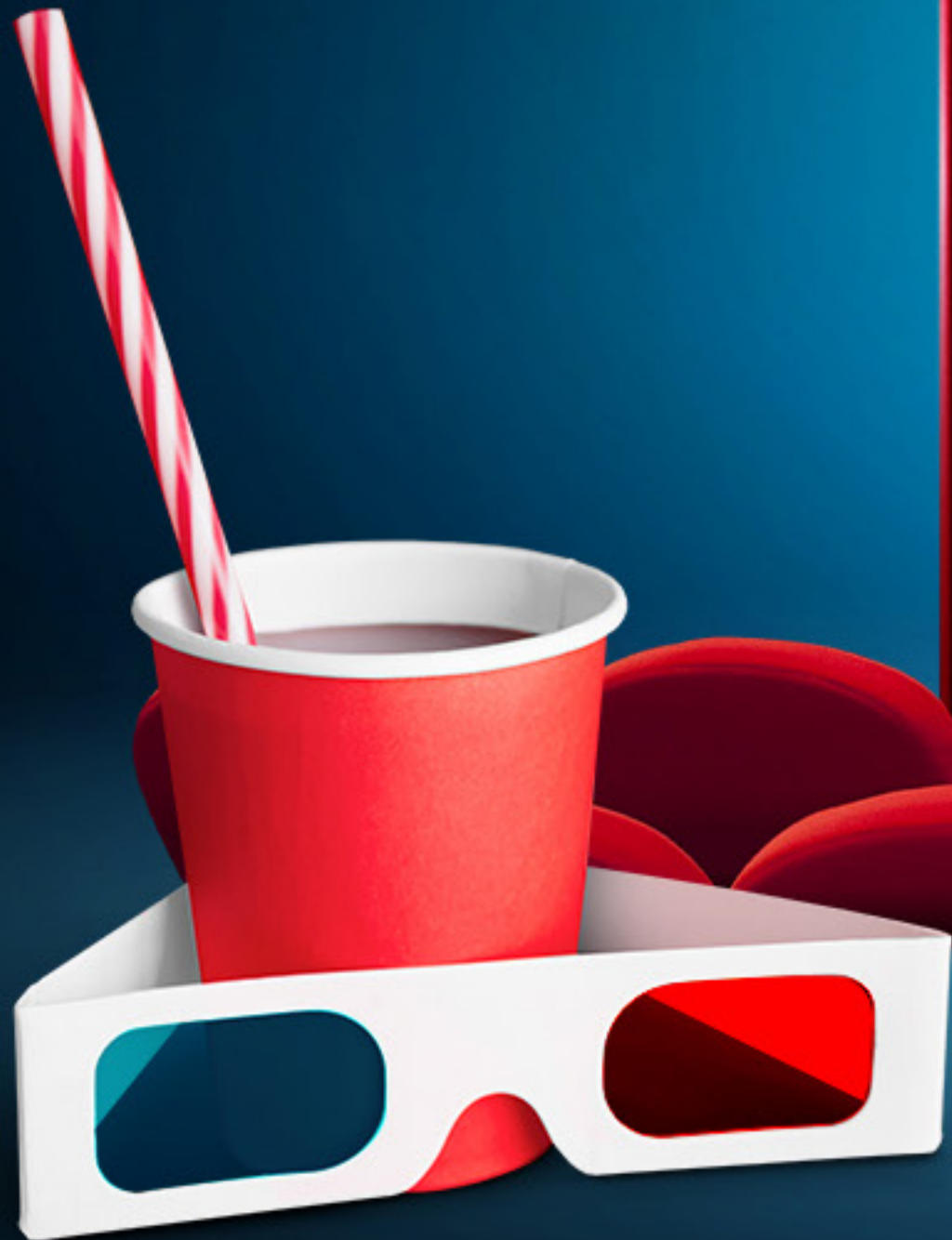# MAESTRAL

TICKETING SOFTWARE

DevSecOps services

CASE STUDY

BUILD **SMARTER.** SHIP **FASTER.**

About Maestral

PRODUCT DEVELOPMENT AS A SERVICE COMPANY

Maestral drives the complete software development cycle for clients while acting as a trusted advisor, excelling at technology, and delivering outstanding quality.

Certified AWS Partner

Maestral Solutions is AWS Partner with multiple AWS certificates for professional, associate, and practitioner levels. Our knowledge and expertise in working with AWS services has been attested on a number of successful engagements.

Work Across Geographies

Maestral operates in 5 cities in 3 countries:

HEADQUARTERS	BUSINESS DEVELOPMENT CENTER	BUSINESS DEVELOPMENT CENTER	DEVELOPMENT CENTER	DEVELOPMENT CENTER
Atlanta GA, USA	**New York** NY, USA	**Amsterdam** NL	**Sarajevo** BIH	**Mostar** BIH

aws partner network

Select Consulting Partner

MAESTRAL Ticketing Software

CLIENT

Maestral partnered with the Sarajevo Film Festival to upgrade its 25-year tradition and intimate audience experience.

Sarajevo Film Festival (SFF) is the most sensational movie experience in South East Europe, and one of the most prominent film festivals in Europe. SFF has played a crucial role in ensuring that Sarajevo becomes a UNESCO City of Film.

26
Sarajevo
Film Festival
14-21 August 2020

SOLUTION

The solution is ticketing software which provides a **technical backbone** for the SFF crew, improves user experience, and adds value to the Festival by centralizing the processes.

BUSINESS REQUIREMENT

The ticketing software required an infrastructure that can serve a large number of users, as the festival caters to an audience of over 100,000, including visitors, sponsors, and VIP guests.

However, since the number of users decreases after the festival, the system also had to be able to scale down accordingly. Overall system infrastructure needed to be highly accessible, resilient and secure.

**MAESTRAL** Ticketing Software

DEVSECOPS APPROACH

Maestral selected AWS as the cloud platform since it offers the most adequate and production grade solutions. Maestral's deep expertise in working with AWS brought another layer of reliability and security.

For the development of infrastructure, services that enable auto-scaling were used, including:

- AWS Elastic Container Service with Fargate
- AWS CloudFront
- Relational Database Service
- Application Load Balancer
- Networking services
- S3

In order to enable high efficiency of the development team, CI/CD code pipelines have been created that enable very fast build, testing and deployment of applications.

The solution was created applying the latest DevSecOps practices. The apps created during the engagement rely on a single backend architecture and fully are hosted on AWS.

MAESTRAL Ticketing Software
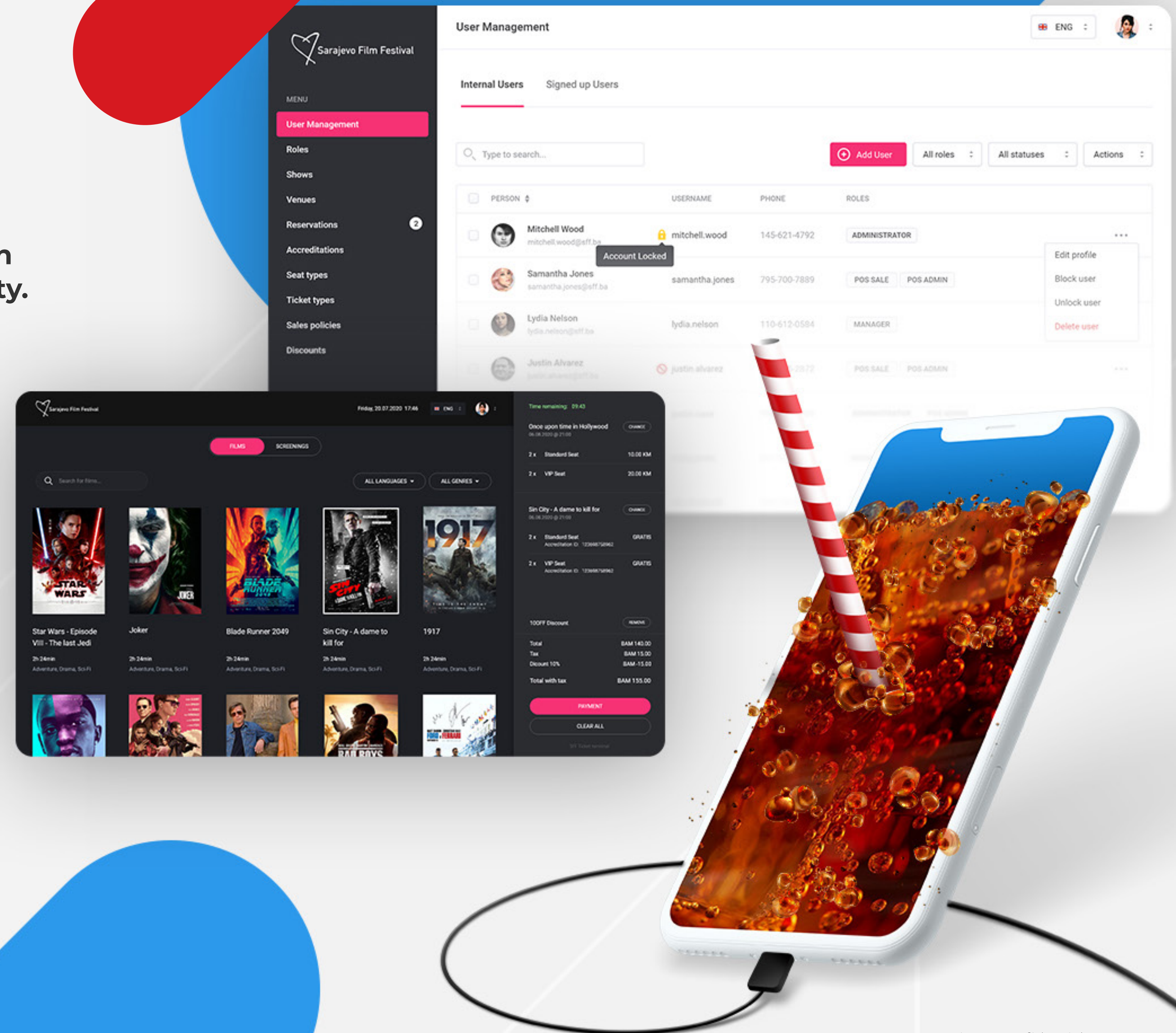
OUTCOME

The software developed by Maestral simplifies the interaction between the SFF team, participants, and guests, and offers a multifunctional platform for easier overall management.

It's capable of scaling automatically, which allows uninterrupted use during the festival days, and can also automatically scale down after the festival, leading to huge cost savings. It is hosted on a highly reliable platform, which reduces maintenance costs and increases availability.

MAESTRAL Ticketing Software

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