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# EgyWonders Project Overview

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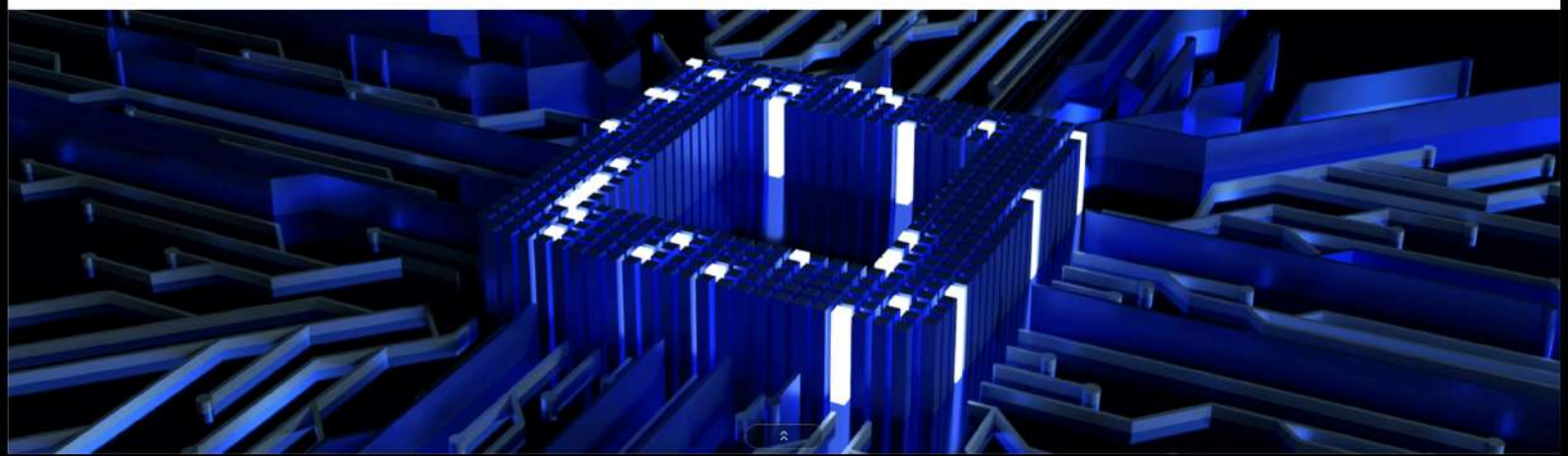
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# 01 Introduction



# Title Slide

Project Name: EgyWonders	EgyWonders is an innovative cultural initiative aiming to showcase Egypt's historical marvels through immersive experiences, fostering global appreciation and promoting cultural tourism.
Subtitle: Discover Authentic Egyptian Experiences	EgyWonders offers immersive, genuine experiences showcasing Egypt's rich culture, history, and traditions, connecting travelers with authentic local stories and unique moments beyond typical tours.
Presented by: LoayEhab Abdalla sabry Khaled walled AmrKhaled	Presented by [Your Name], this slide introduces the EgyWonders Project, highlighting the presenter's role and setting the stage for an engaging and informative overview of the project's objectives.
Tech Stack: ASP.NET Core Web API & MVC	EgyWonders utilizes ASP.NET Core Web API and MVC for robust, scalable, and high-performance web applications, enabling efficient data handling and seamless user interface integration.

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# The Problem & Solution

## The Problem: Lack of authentic local experiences in traditional tourism platforms

Traditional tourism platforms often offer generic experiences, lacking genuine local interactions and cultural immersion, which diminishes traveler satisfaction and limits authentic connection with the destination.

### The Solution: Direct connection between tourists and local hosts/ guides

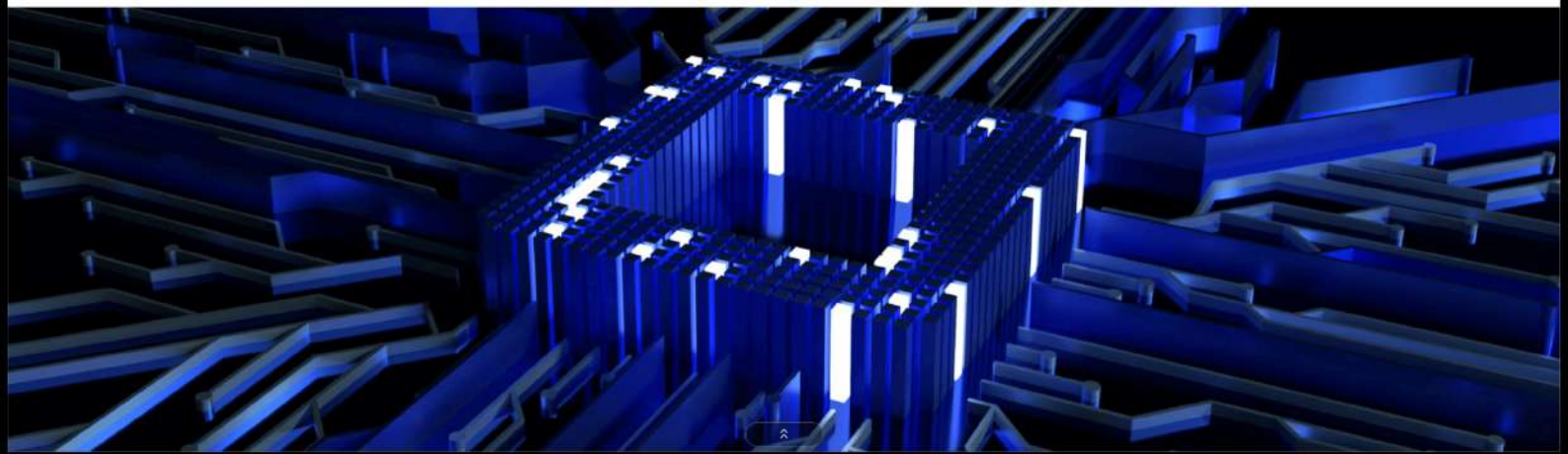
EgyWonders facilitates direct interactions between tourists and local hosts, enhancing authentic experiences, boosting local economies, and eliminating intermediaries for personalized, affordable, and trustworthy travel services.

### Unique stays and cultural tours offered through a localized platform

EgyWonders addresses limited access to authentic Egyptian experiences by offering unique stays and culturally immersive tours through a localized platform, enhancing traveler engagement and supporting local communities.



# 02 System Architecture & Security



# System Architecture

**Frontend: ASP.NET Core MVC with Razor Views and Cookie-based session**

The frontend uses ASP.NET Core MVC with Razor Views for dynamic, server-rendered pages. Cookie-based sessions manage user state securely and efficiently during interactions.

**Backend: ASP.NET Core Web API handling data and business logic**

The backend utilizes ASP.NET Core Web API to efficiently manage data processing and business logic, ensuring scalability, maintainability, and secure API interactions within the EgyWonders system architecture.

**Communication: RESTful API calls via HttpClient**

The system utilizes RESTful API communication through HttpClient, ensuring efficient, stateless interactions with secure data transmission and seamless integration between client and server components.

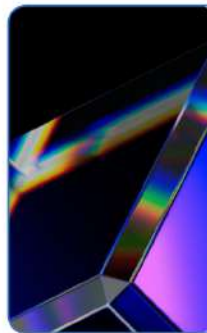


## Security & Authentication



### Hybrid Authentication: JWT for API, Cookie Auth for MVC frontend

Utilizes Hybrid Authentication: JWT secures API endpoints with stateless tokens, while Cookie-based authentication maintains user sessions on the MVC frontend, balancing security and usability effectively.



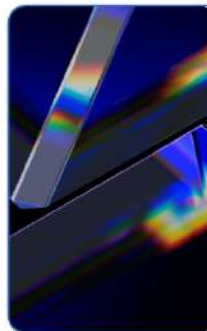
### Role-Based Access Control: Admin, Hosts, Guests flows

Admin manages system settings, Hosts create and control events, Guests access events with limited permissions; all roles have distinct authentication flows ensuring secure, role-based access control.



### Google OAuth integration for seamless sign-in

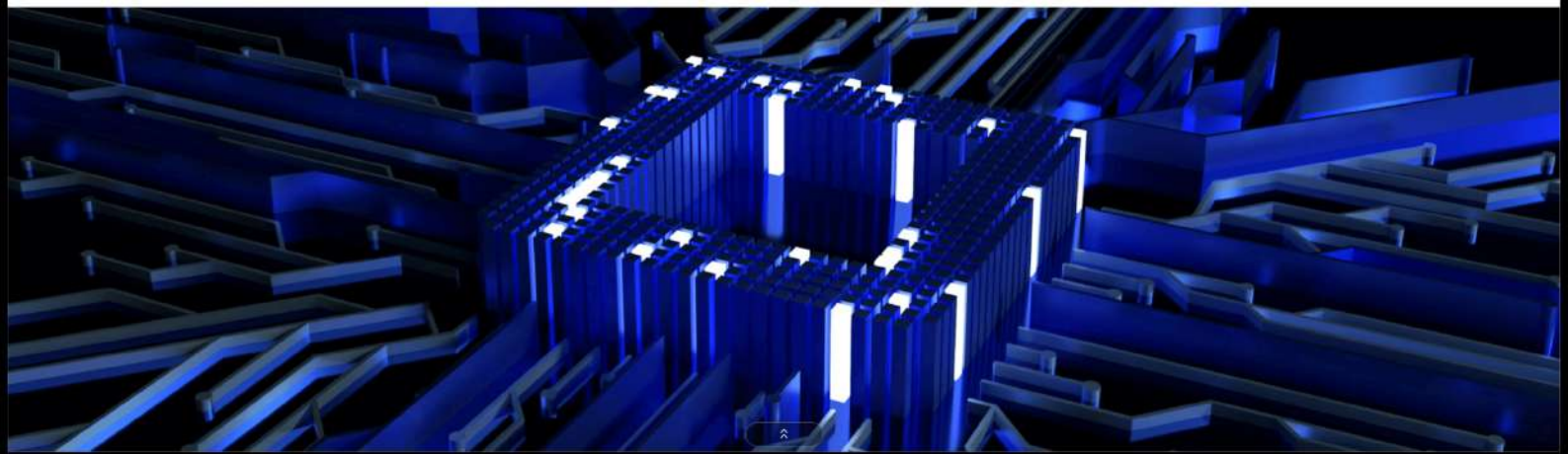
Integrating Google OAuth enables secure, streamlined user authentication, reducing password management risks while ensuring seamless access through trusted Google credentials for enhanced security and user experience.



### Secure Storage and management of passwords and tokens

Passwords and tokens are securely stored using encrypted vaults and hashed with strong algorithms. Access is managed via multi-factor authentication and regular key rotation to prevent unauthorized access.

# 03 Features & User Experience



## Key Features Implemented

### ✉ User Management: Register, Login, Profile Update, Password change

The platform enables seamless user management with secure registration, intuitive login, efficient profile updates, and easy password changes, enhancing overall user convenience and security.

### ✔ Listings & Tours: Hosts upload homes/tours with photos via Multipart forms

Hosts can effortlessly upload homes and tours using Multipart forms, enabling seamless photo integration and ensuring comprehensive, visually appealing listings for enhanced user engagement and experience.

### 📄 Search & Filtering: Dynamic destination and category search

Enables users to dynamically search and filter destinations by categories, ensuring quick access to relevant options and enhancing overall navigation efficiency within the EgyWonders platform.

### 🔑 Admin Dashboard: Manage user status (activate/deactivate)

The Admin Dashboard enables efficient management of user statuses, allowing administrators to activate or deactivate accounts quickly, ensuring controlled access and improved platform security.



# Future Roadmap

## 01 FIRST

### Real-time Chat between Hosts and Guests (SignalR)

Enables seamless, real-time communication between hosts and guests using SignalR, enhancing user engagement and providing instant support for a smoother, more interactive experience.

## 02 SECOND

### Real Integration of Payment Gateways (Stripe, PayPal)

Seamless integration of Stripe and PayPal enhances user convenience, expands payment options, ensures secure transactions, and supports future scalability for the EgyWonders platform's evolving e-commerce needs.

## 03 THIRD

### Using Big Data to enhance real time Data

With Large Amount of Photos and Data we need To Handle it like facebook,instagram and other platform that react instantly



# Thanks

