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ETECH002

The journey of Web3 - How AWS and Polygon are building the new web

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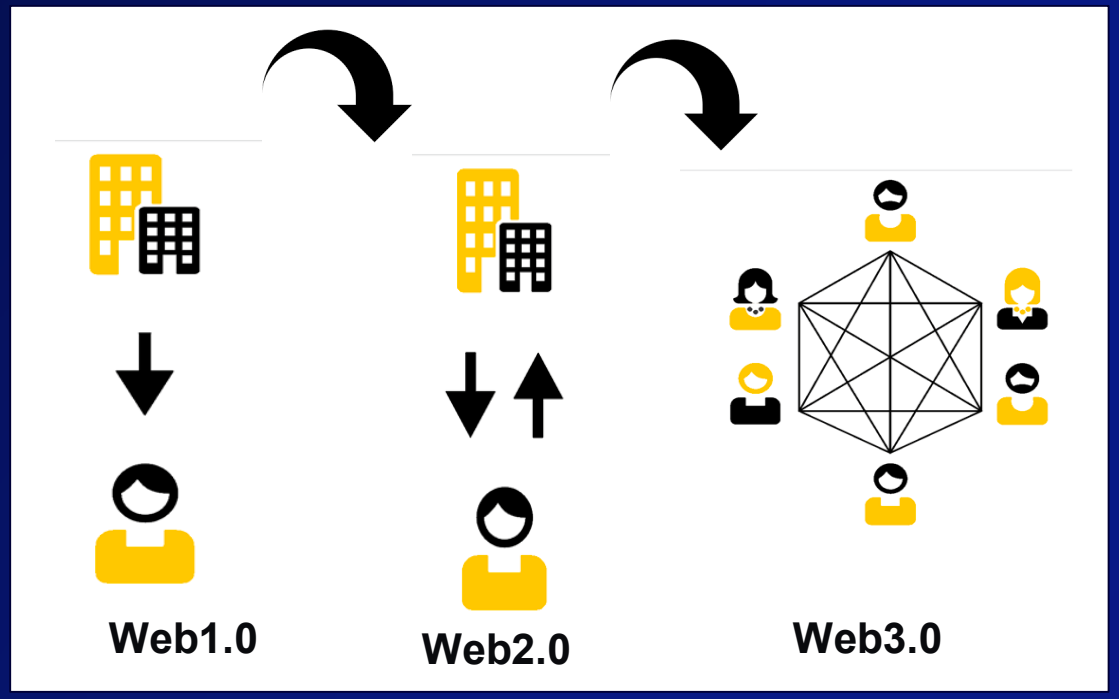
Evolution of the web



01 Distributed Database

02 Transparency

03 Smart Contract

04 Immutability

Tokenization

There are different kind of token standards which can be used for tokenization like assets, land, certificates, Art, Loyalty and many more.

Identity

Blockchain is solving the problem of identity theft by creating proofs of identity instead of sharing of personal information.

New Interface

User interactions are changing and so is the interface. People are moving from 2D to 3D interaction via Metaverse.

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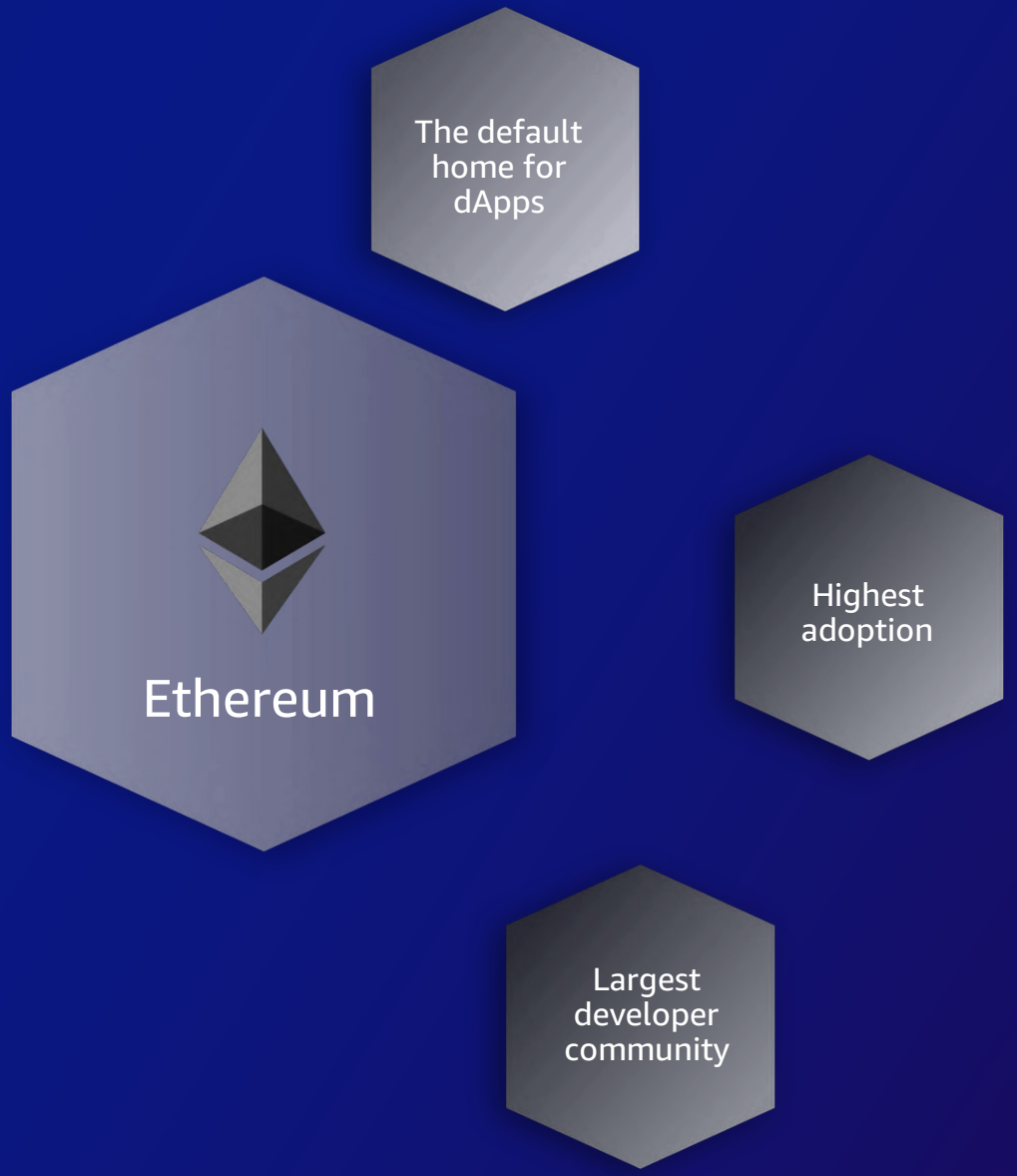
We're big believers of meeting users and developers where they are, and Ethereum is the clear winner.



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There’s only one problem; too many dApps and projects want to use Ethereum.

This makes interacting with Ethereum too slow and expensive.

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To scale Ethereum to meet demand, enter Polygon.

- 99% reduction in gas fees
- Significantly faster than Ethereum
- Sustainable and carbon neutral

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About Polygon

BEGINNING
Founded 2017

OUR MISSION
Make Ethereum infrastructure ready for mass adoption

POLYGON SUITE OF SOLUTIONS
Polygon PoS, zkEVM, Supernets, ID

- **2S BLOCK TIME FINALITY ON ETH MAINCHAIN**
- **$0.015 AVG. TXN. COST**
- **EVM COMPATIBLE ERC STYLE ASSETS**
- **ASSETS SECURED ON ETHEREUM**
- **FOCUS ON HIGH USER EXPERIENCE**
- **FASTEST GROWING DAPPS NETWORK FOR ETHEREUM**
- **STANDARD FOR BLOCKCHAIN GAMES, NFT & DEFI**
- **LARGE & GROWING DEVELOPER COMMUNITY**
- **ETH DAPPS ARE USING US FOR SCALABILITY**
- **ETH DAPPS ARE USING US FOR IMPROVED UX**

Inherit the security and decentralization of Ethereum

Robust partner ecosystem

Faster, lower gas fees

Expertise from developers at Polygon Labs

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Polygon Offerings

Chain Architecture
Build your Game, dApp, Etc.

Public Server
Shared chain with other games

Dedicated Server
Your own blockchain instance

dApp Tooling Solutions for your crypto stack

polygon PoS — Plug and play with anything built for ETH, without the fees and friction

polygon zkEVM — Next-gen ETH scaling using ZK proofs

polygon Supernets — Create your own chain and build your Web3 ecosystem, without siloing yourself

polygon ID — Web3 Identity, a drivers license for the new internet

Enterprise Solutions

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Building blocks for Web3 & Blockchain companies on AWS

CORE COMPUTE & INFRASTRUCTURE

CORE

Compute
- Amazon EC2
- Amazon EC2 Spot

Serverless
- AWS Lambda
- AWS Step Functions
- Amazon EventBridge

Containers
- Amazon ECS
- Amazon EKS

IoT
- AWS IoT

SECURITY

- AWS Nitro Enclaves
- AWS Secrets Manager
- AWS KMS
- AWS Cloud HSM
- AWS Cognito

STORAGE SYSTEMS & API

API/NETWORK

- Amazon API Gateway
- AWS AppSync
- Amazon CloudFront
- AWS PrivateLink
- AWS Direct Connect

STORAGE SYSTEMS

Storage
- Amazon S3
- Amazon EBS

Databases
- Amazon DynamoDB
- Amazon ElastiCache
- Amazon RDS

Observability
- Amazon Managed Prometheus
- Amazon Managed Grafana
- Amazon Container Insights

MACHINE LEARNING & ANALYTICS

- Amazon Kinesis
- Amazon Managed Streaming for Apache Kafka (MSK)
- Amazon SageMaker

MANAGED BLOCKCHAIN & LEDGER DATABASE SERVICES

- Amazon Managed Blockchain
- Amazon Quantum Ledger Database

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Evolution of Web3

- Identity
- Decentralized Finance
- New Interfaces

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Identity

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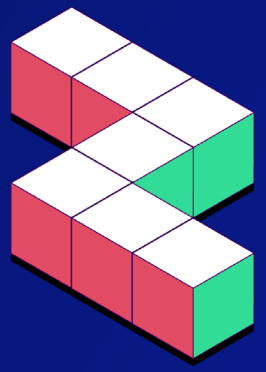

ZUPPLE

UNPUZZLE THE NEW WEB

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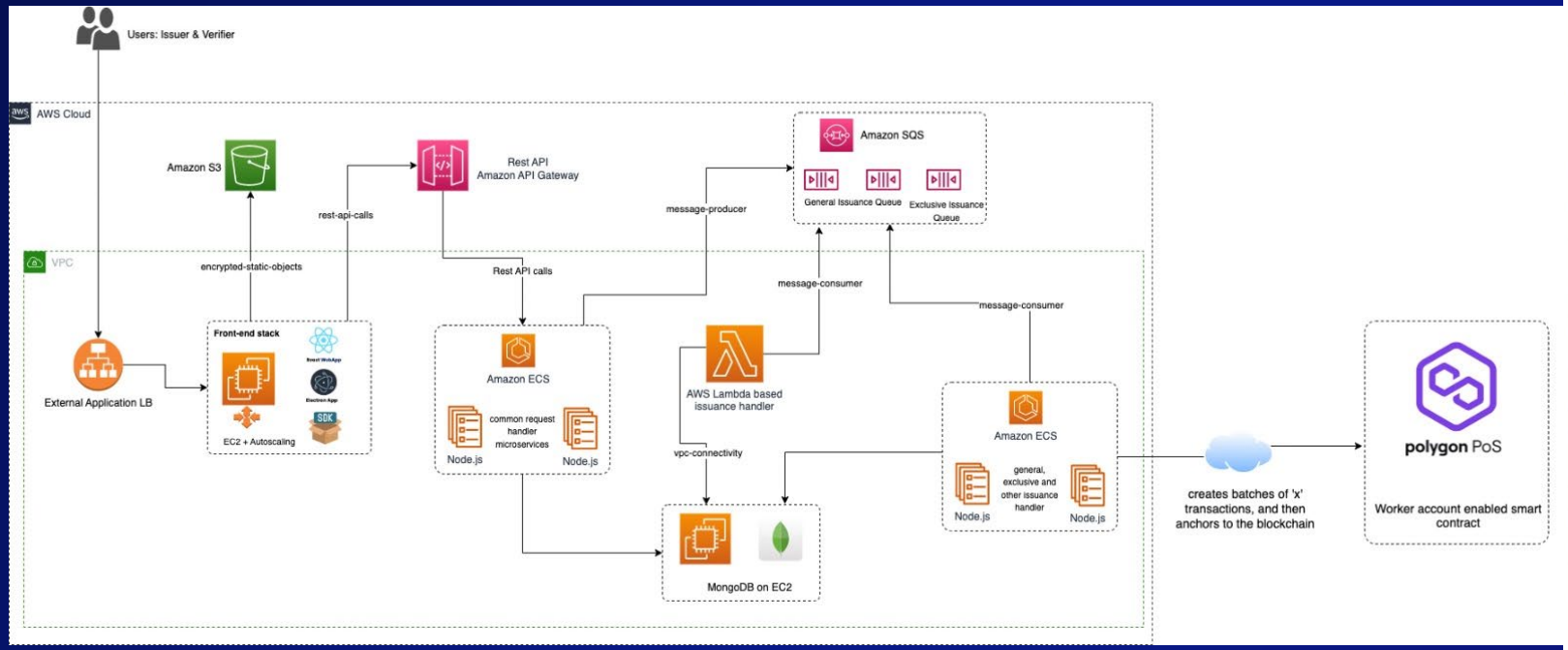
Tamper-proof digital documents on Polygon



महाराष्ट्र राज्य व्यवसाय शिक्षण परीक्षा मंडळ, मुंबई

Maharashtra State Board of Vocational Education Examinations, Mumbai

गुणपत्रक

STATEMENT OF MARKS

MR./MS. [redacted]

श्री /श्रीमती खान मोहमद अतीक शवील अहमद

Enrollment No. [redacted] Seat No. [redacted]

Examination July 2020 Duration 1 YEAR

Institute Code 010007

Certificate Course in INTERIOR DECORATOR

TITLE OF SUBJECTS		Max. Marks	Min. Marks	Obtained Marks	
INTERIOR DESIGN 30420411	TH	100	35	37	
BUILDING CONSTRUCTION 30420412	TH	100	35	16	*
PERSPECTIVE DESIGN 30420413	TH	100	35	37	
INTERIOR DESIGN 30420421	PR	100	50	70	
BUILDING CONSTRUCTION 30420422	PR	100	50	72	
PERSPECTIVE DESIGN 30420423	PR	100	50	69	

Result With %	Total Marks Max.	Obtained
	600	301
FAIL		

[redacted]

Result Date: 09 March 2021

SECRETARY
MAHARASHTRA STATE BOARD
OF VOCATIONAL EXAMINATIONS

** This is Blockchain-enabled certificate **
To verify, please upload this certificate to 'msbsd.edu.in' -> 'Certificate Verification'

INSTRUCTIONS

1. Report any discrepancy in this certificate to head of institution.
2. This certificate of marks is issued as per prevailing rules and regulations of MSBVE at the time of this Exam.

ABBREVIATION DETAILS

TH	Theory	@	Condoned Marks	AB	Absent
PR	Practical	*	Failure Marks	%	Percentage of Marks
AG	Aggregate	#	Carry Forward Marks	CON	Condoned

Visit : m s b s d . e d u . in

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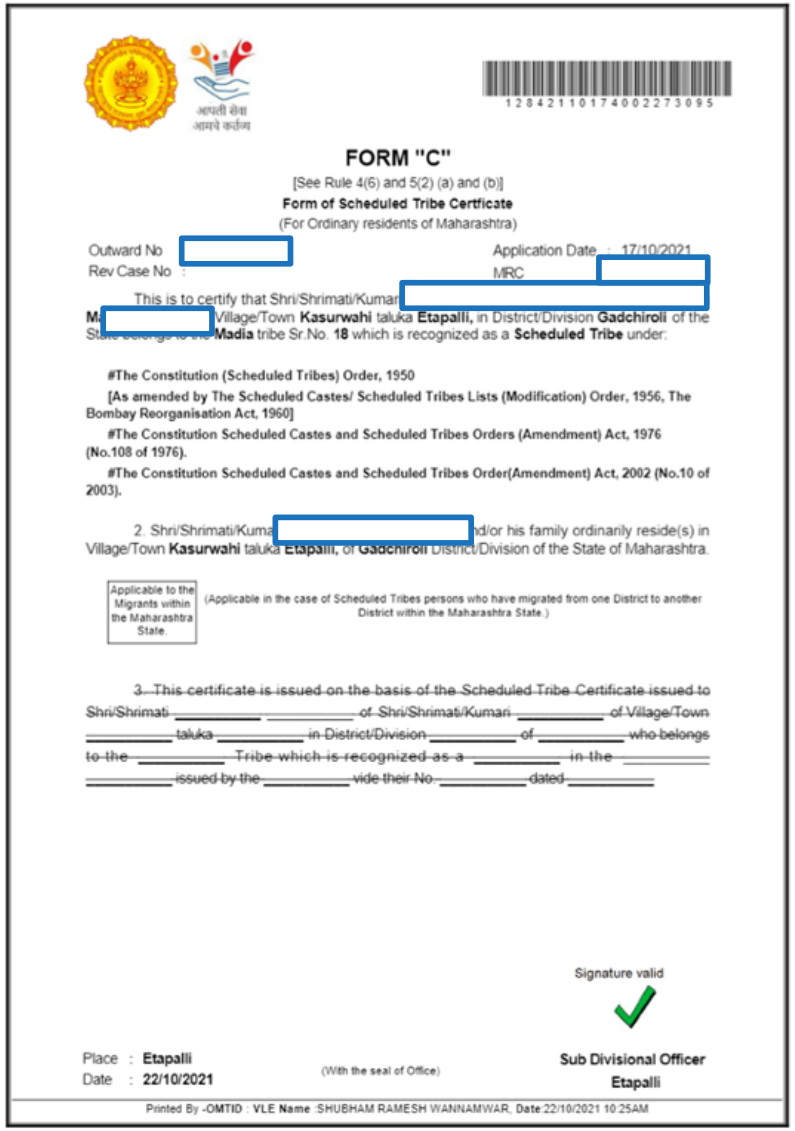

1284211017400227309 5

FORM "C"

[See Rule 4(6) and 5(2) (a) and (b)]

Form of Scheduled Tribe Certficate

(For Ordinary residents of Maharashtra)

Outward No [redacted] Application Date : 17/10/2021

Rev Case No : MRC [redacted]

This is to certify that Shri/Shrimati/Kumari [redacted]

M[redacted] Village/Town **Kasurwahi** taluka **Etapalli,** in District/Division **Gadchiroli** of the State belongs to the **Madia** tribe Sr.No. **18** which is recognized as a **Scheduled Tribe** under:

#The Constitution (Scheduled Tribes) Order, 1950

[As amended by The Scheduled Castes/ Scheduled Tribes Lists (Modification) Order, 1956, The Bombay Reorganisation Act, 1960]

#The Constitution Scheduled Castes and Scheduled Tribes Orders (Amendment) Act, 1976 (No.108 of 1976).

#The Constitution Scheduled Castes and Scheduled Tribes Order(Amendment) Act, 2002 (No.10 of 2003).

2. Shri/Shrimati/Kuma[redacted]d/or his family ordinarily reside(s) in Village/Town **Kasurwahi** taluka **Etapalli,** of **Gadchiroli** District/Division of the State of Maharashtra.

Applicable to the Migrants within the Maharashtra State.

(Applicable in the case of Scheduled Tribes persons who have migrated from one District to another District within the Maharashtra State.)

3. This certificate is issued on the basis of the Scheduled Tribe Certificate issued to Shri/Shrimati _____ _____ of Shri/Shrimati/Kumari _____ of Village/Town _____ taluka _____ in District/Division _____ of _____ who belongs to the _____ Tribe which is recognized as a _____ in the _____ issued by the _____ vide their No. _____ dated _____

Signature valid

Place : **Etapalli**
Date : **22/10/2021**

(With the seal of Office)

Sub Divisional Officer
Etapalli

Printed By -OMTID : VLE Name :SHUBHAM RAMESH WANNAMWAR, Date:22/10/2021 10:25AM

This is a digitally signed document, hence is legally valid as per the Information Technology (IT) Act, 2000.

To verify visit https://www.mahaonline.gov.in/Verify OR SMS "MH<space>CSC<space>VRFY<20 digit Barcode number>" to 166 from a BSNL, MTNL, Tata Mobile and 51969 from others.

Please turn the page and find the enclosed instructions to verify the validity of this blockchain-anchored certificate.

This is a blockchain-anchored certificate

INSTRUCTIONS TO VERIFY

1. Visit https://gadchiroli.gov.in/etapalli
2. Scan this QR code.
3. Ensure the details shown on the portal matches with the certificate.

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Tokenization – DeFi

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New Interfaces

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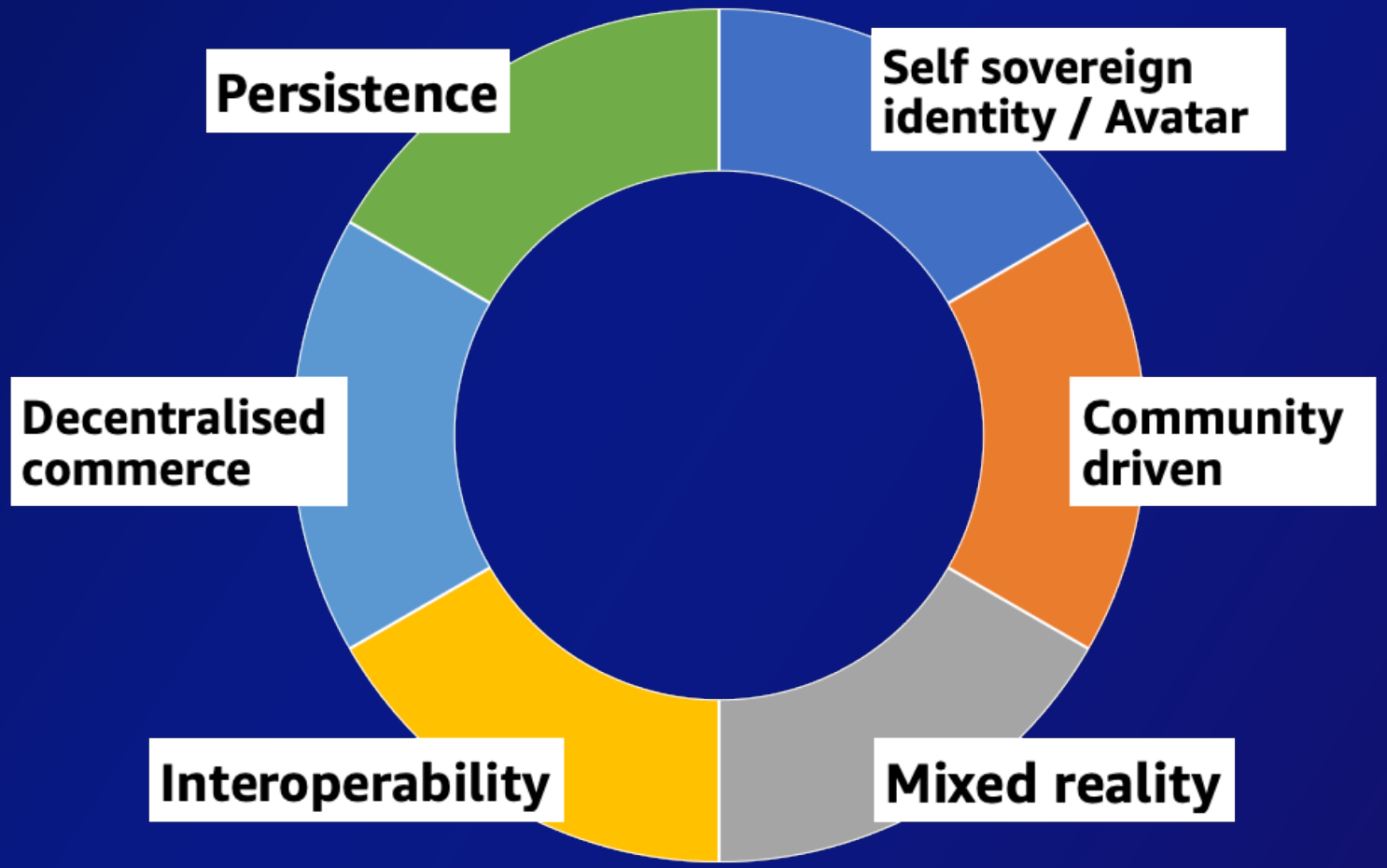

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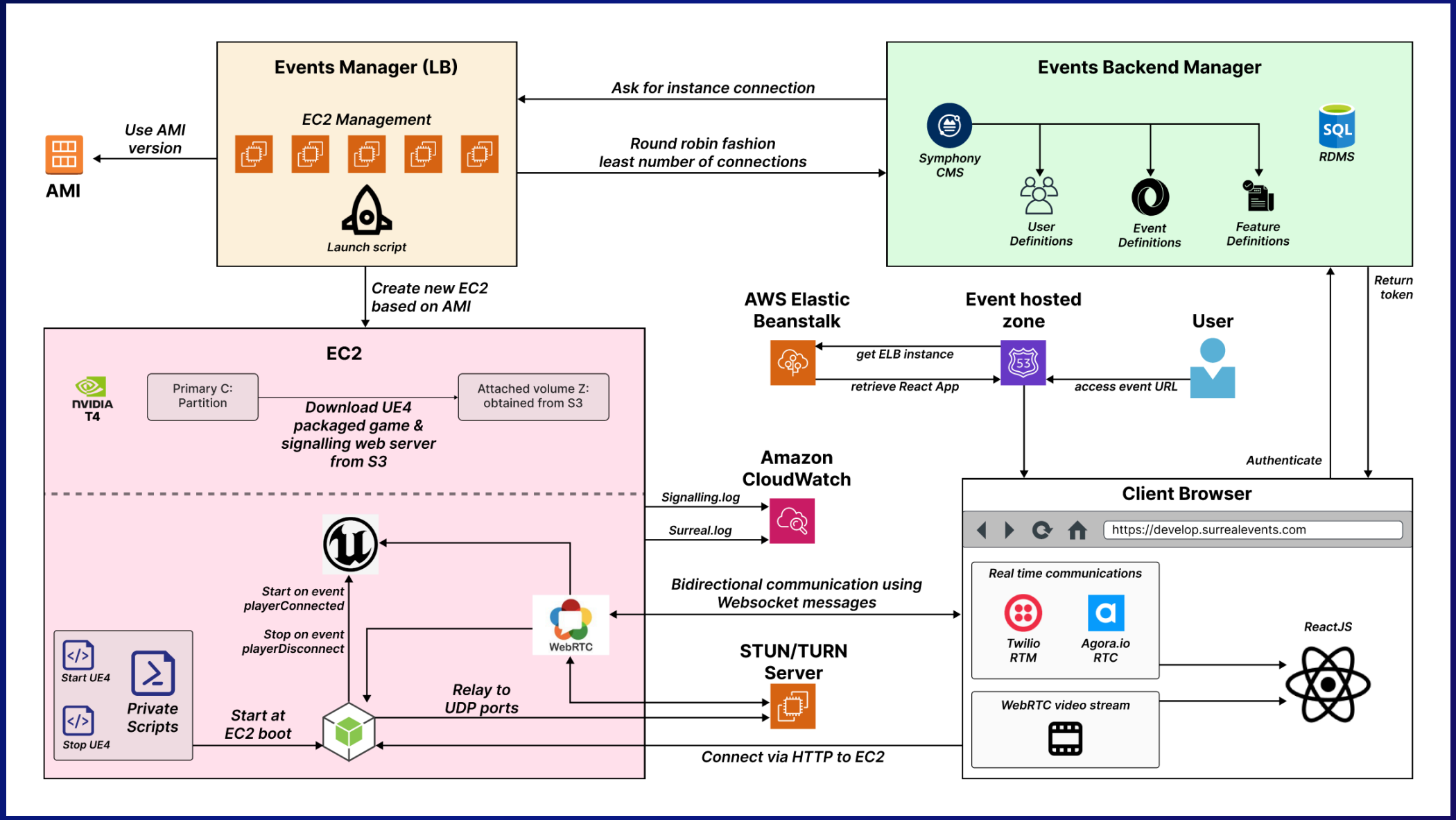

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Airports in the metaverse

- Reimagine the passenger journey
- New retail experiences
- Digital asset economy

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Thank you!

Please complete the session survey

Nikhil Velpanur

Head of Web3 & Joint Innovation Centre

AWS India

Kamakshi Arjun

Partnership Head - APAC

Polygon Labs

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