



educastle

educastle.co

Consulting and training in emerging technologies

<https://www.educastle.co>

Agenda

- ▶ About us?
- ▶ Our services
- ▶ Success stories
- ▶ Our methodology

About us?

- ▶ We are a consulting and training company in emerging technologies
- ▶ We work with technologies such as **AI**, **Blockchain**, solving real problems for our clients.
- ▶ We have a group of experts located in different regions of **Europe**, **Asia** and **Latin America** .
- ▶ We were born in 2015



Main members of Educastle.co

Servio Fernando Lima Reyna, PhD (c)

CEO Educastle.co

+25 years of experience Telecom

VP, Director level positions

Cardano , Samsung, Alcatel- Lucent , Tigo, Telconet

Internal auditor ISO9001, ISO27001

<https://www.linkedin.com/in/serviolima/>



IT Craft YSA GmbH

Berlin , Germany

World class factory software

Focused on the development of emerging technologies

<https://itechcraft.com/portfolio/>



About us

We have an international presence and experience in technological projects.



https://clutch.co/profile/it-craft#highlights_

About us

We have implemented different Blockchain solutions in the world, using the best available technologies in terms of **DAO**, **ICOs** , **Distributed Apps**, **SmartContracts** , **NFTs** , **Metaverse** , etc.



DAO



Cryptocurrency Exchange



ICO Development



Web3 dApps



Writing & deploying Smart Contracts



NFT Marketplace



Blockchain Hard-forking



Decentralized P2E Gaming



NFT Tokens ERC (721, 998 & 1155)



Metaverse



Crypto Payments Gateway

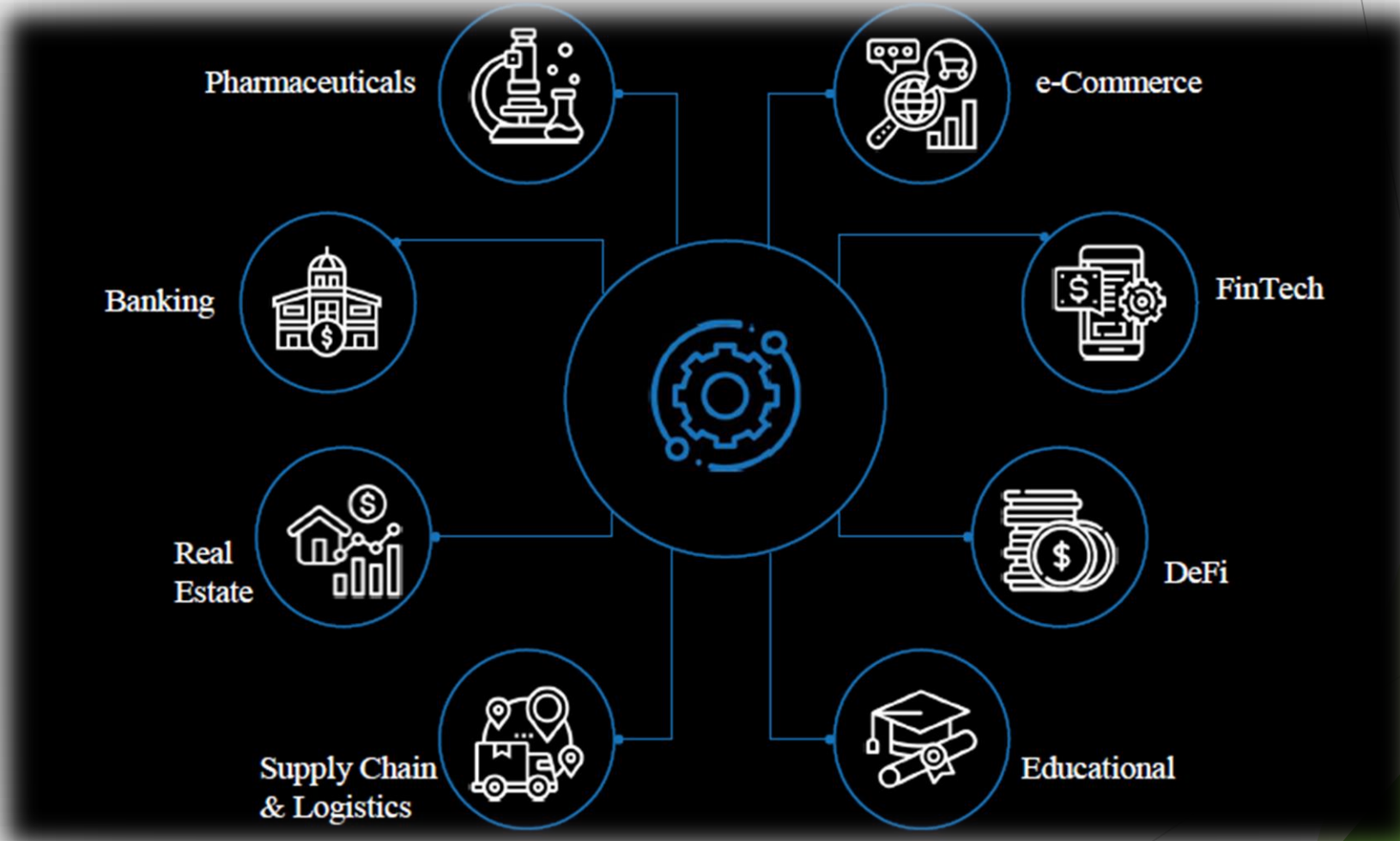


Supply Chain Solutions



Crypto Assets Management Platform

Industries served



Our services



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- ▶ We offer **consultancies** focused on **generating income, reducing costs or losses**, based on emerging technologies such as:
 1. Blockchain
 2. Artificial intelligence
 3. BPMN/BRMS
 4. Microservices
 5. Intelligent Drones
 6. Digital Twins for factories
 7. Augmented Reality / Mixed reality
- ▶ We offer **assessment / audit** in implementations of existing systems

Our differentiator

- ▶ Our strategic differentiator lies in:
 - ▶ We are an **international group of experts** in emerging technologies who also understand business.
 - ▶ Our approach is **holistic** because we focus the client towards **the generation of income, cost reduction or loss minimization** , through technology.
 - ▶ We develop the **internal capacity of your organization so that they can independently manage and scale the implemented system.**

Success stories in Blockchain

► Decentralized identity (DID) success story

► Blockchain wallet

Decentralised Identifiers (DID) & Verified Credentials



Client's Requirements:

- Client wanted to build a distributed identity registry on EVM compatible chain using ERC3643 standard for KYC and KYB useases



Business Needs:

- To create a system that facilitates creation, updation and/or deactivation, verification of decentralized identifiers (DIDs) & DID documents.



Our Approach:

Developed a DID where there is a trust built between the Issuer & the verifier & the subject can submit the credentials in the form of Verifiable presentation.



Technology & Frameworks used:

EVM, Solidity



Client's Requirements:

- A DeFi mobile application (Wallet) providing simple & intuitive interface to users in managing their digital assets including cryptocurrencies & tokens.
- Compatible with DeFi protocols & support key features such as staking, liquidity provision & yield farming



Business Needs:

- Contribute to new era of financial freedom
- Provides financial flexibility & inclusion to underprivileged
- Allows flow of effortless & instant global transactions along with secure & convenient management of finances



Our Approach:

Team built a DeFi mobile app wallet using Stellar blockchain along with the required understanding of the target audience & tech stack using SEP 10 & SEP 30 protocols.

With the right approach, an App is being built providing a secured access into the DeFi ecosystem to the users.



Technology & Frameworks used:

Stellar, React, Nest.JS, Ionic, PostGres

Success stories in Blockchain

► Tokenization platform

Tokenization Platform



Client's Requirements:

- Token issuing platform for digital assets
- Multisig based checks
- Hardware wallet integration
- Custody platform



Business Needs:

- A seamless UI for tokenization of digital assets and securitization



Our Approach:

Created platform using golang, Stellar and Angular to issue secure tokenized assets which support stellar onramp and offramp capabilities



Technology & Frameworks used:

Stellar, NodeJS

► Assets tokenization

Asset Tokenization



Client's Requirements:

- Client wanted **Reflection Tokens** based on Ethereum & Binance network with 14% (buy) & 10% (sell) tax fee on exchanges & tokens listing on UniSwap.
- Tax distributions: 2% Token holders & staking rewards pool each, 1% to P2E gaming rewards pool & 5% to the team
- Launch of NFT collection & staking



Business Needs:

- Fund-raising from the community using the NFTs & meme tokens to build a P2E Game.



Our Approach:

Team created reflection tokens using ERC20 & UniSwap exchange for listing the tokens along with a **Whitelist** feature for the users trying to avoid tax deductions from wallets on exchanges. A total of 5555 NFTs were built using ERC721 NFT Smart Contracts



Technology & Frameworks used:

Solidity, ReactJS, etherJS

Success stories in Blockchain

► Decentralized SC consortium

► Public blockchain Hard forks

Decentralized Supply Chain Consortium



Client's Requirements:

- Sensor based tracking data from the source to directly on blockchain
- Create dynamic organizations
- Admin Portal for creating channels and deploying contracts
- Supply Chain traceability
- Hyperledger Fabric



Business Needs:

- Create a decentralized system for supply chain management between shipment, carrier and insurance companies



Our Approach:

We created Hyperledger Fabric based solution where Admin can add organizations dynamically and created various channels for communication between organization. We created SDK which work on edger device and push tracking data from IOT directly to blockchain in a secured handshake



Technology & Frameworks used:

Hyperledger Fabric, Golang, React, NodeJS

Public Blockchain from BSC Fork



Client's Requirements:

- One Chain based fork from BSC
- Support incentive to Smart contract deployer
- Bridge
- Explorer
- Custom Consensus



Business Needs:

- Defi specialized chain with developer friendly ecosystem and incentivise smart contract owners



Our Approach:

We created hardfork of BSC chain and made it on chain based. All the staking is done on one chain only. Supports incentivization to smart contract deployers. Build bridges and explorer

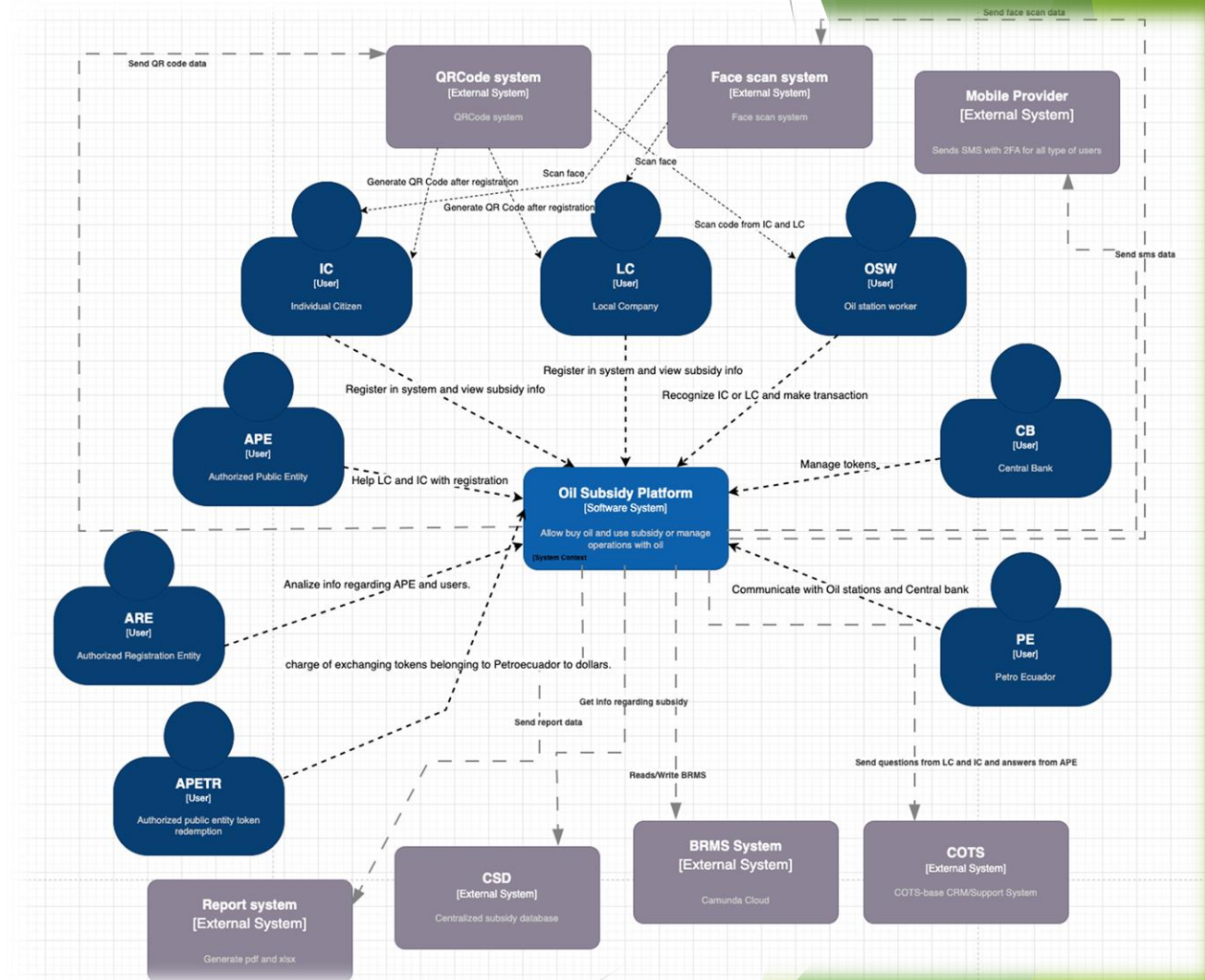


Technology & Frameworks used:

EVM, GoLang, Solidity

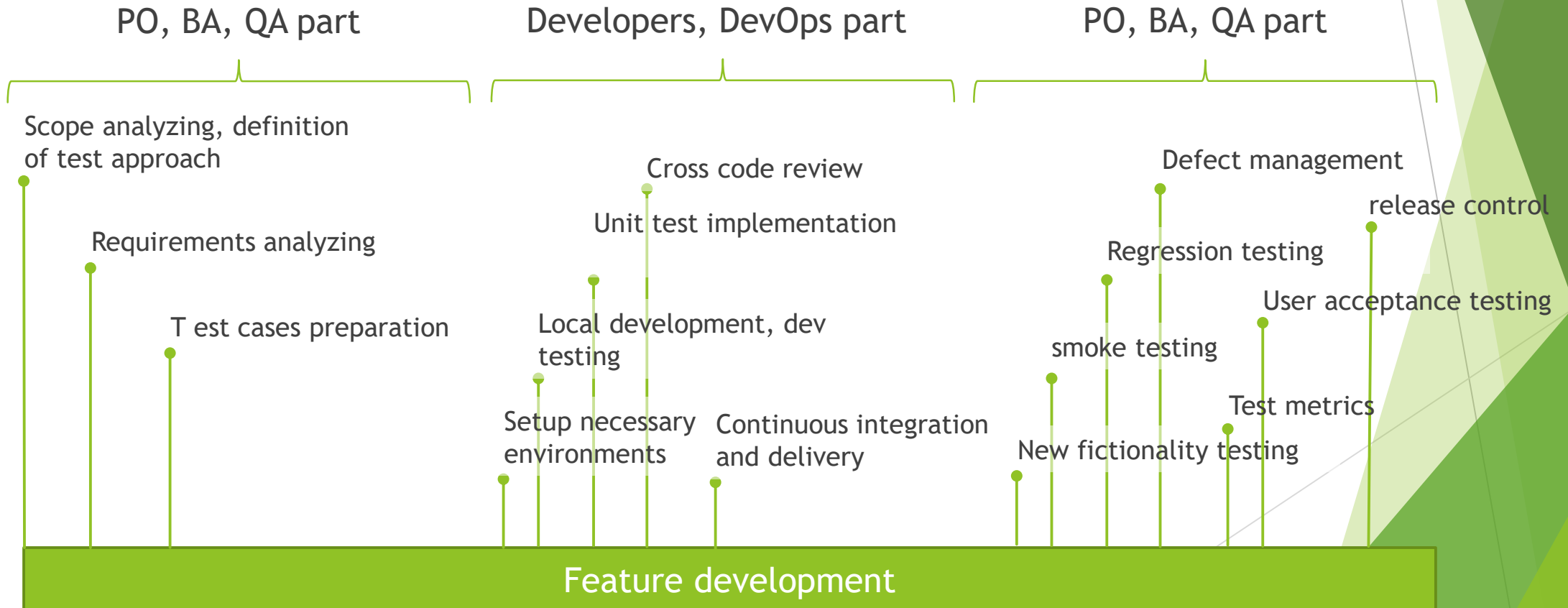
Blockchain

- ▶ We deliver source code, documentation and training
- ▶ All the code serves for training of a General Purpose Transformer (GPT), which is an artificial intelligence that will allow rapid development and cost minimization of future modules.
- ▶ We provide Tier 1 local support and Tier 2 support through our european partner.



Our methodology

We manage a strict quality control in the software development chain





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Thank you

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<https://www.linkedin.com/company/educastleco>