

Félicien Astier

WEB3 FULLSTACK DEVELOPER · ETHEREUM DEFI

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"15 years of integration systems expertise, Ethereum blockchain & DeFi innovation"

Web3 Projects

LendForge - DeFi Lending Protocol

Sepolia Testnet

SOLIDITY, THE GRAPH, PYTHON, NEXT.JS, CHAINLINK, FOUNDRY

2025

- Decentralized lending protocol with automated liquidations, Chainlink oracles, TheGraph subgraph, Python bot, multi-asset support (ETH, DAI, USDC)

ChainStaker - DeFi Staking Platform

Sepolia Testnet

SOLIDITY, PYTHON, FLASK, MONGODB, REDIS, CELERY, NEXT.JS

2025

- Multi-tier staking platform (7/30/90 days, APY 5%/8%/12%) with dynamic rewards system, event-driven Python/Flask backend, MongoDB persistence, Redis caching and advanced analytics with Recharts

ModularNFT - NFT Collection Platform

Sepolia Testnet

SOLIDITY, NEXT.JS, IPFS, PINATA, OPENZEPPELIN, WAGMI, FOUNDRY

2025

- Complete ERC-721 NFT collection (1000 NFTs max) with EIP-2981 royalties, batch minting, metadata and images on IPFS via Pinata Gateway, Next.js interface with RainbowKit multi-wallet connection

ModularMarketplace - NFT Marketplace

Sepolia Testnet

SOLIDITY, NEXT.JS, TYPESCRIPT, WAGMI, RAINBOWKIT, OPENZEPPELIN

2024

- Peer-to-peer decentralized NFT marketplace with automatic royalty distribution (EIP-2981), listing/delisting system, direct purchase, Reentrancy-Guard protection and emergency pause mechanism

UUPSVendingMachine - Upgradeable Smart Contracts

Sepolia Testnet

SOLIDITY, UUPS, REACT, HARDHAT, OPENZEPPELIN, UML

2024

- Upgradeable smart contracts (UUPS pattern) with V1 → V2 demonstration, admin dashboard and exhaustive UML documentation - Alchemy EVM Chain Certified

Technical Skills

Blockchain & Web3

Solidity, Foundry, Hardhat, Web3.js, Ethers.js, Viem, The Graph, Chainlink, IPFS, OpenZeppelin

Frontend React, Next.js 15, TypeScript, JavaScript, Wagmi v2, RainbowKit, TailwindCSS, Recharts, TanStack Query

Backend Node.js, Python, Flask, Java, Express, REST APIs, GraphQL, Event-driven architecture

Databases & Tools MongoDB, PostgreSQL, Oracle DB, Redis, Docker, Docker Compose, Git, VS Code

Integration & ESB TIBCO BusinessWorks, WebMethods, Oracle Service Bus, SOA, Microservices, API Management, Axway CFT

Architecture System Design, Distributed Systems, SOA, Event-driven, Design Patterns, Security, TOGAF, UML, Archimate

Languages French (Native), English (Professional proficiency)

Professional Experience

GRDF

Paris, France

SYSTEMS ARCHITECT / EXCHANGE URBANIST

2016 - 2018

- Architecture and modeling of inter-application exchanges (EPOD program for SI transformation)
- Implementation of exchange supervision (ELK + Dynatrace architecture) and microservices architecture opportunity study

Banque de France

Paris, France

SYSTEMS ARCHITECT / EXCHANGE URBANIST

2014 - 2016

- Definition of inter-application exchange policy (ESB, API Management, MFT) and pattern modeling in ARIS Archimate
- Project manager for Axway CFT MFT solution implementation and architect support on integration issues

EDF, BNP Paribas, Dalkia, Alten SA

France

APPLICATION ARCHITECT / ESB CONSULTANT

2005 - 2014

- Design and development of centralized exchange platforms (ESB) with TIBCO BusinessWorks, WebMethods and Oracle Service Bus
- Complex systems integration for finance and energy sectors, Java/J2EE development and BizTalk EAI solutions for B2B flows

Education

University of Technology of Troyes (UTT)

Troyes, France

ENGINEERING DEGREE - INFORMATION SYSTEMS ENGINEERING

2003 - 2005

Certifications

2024 **Alchemy EVM Chain Certification**, Ethereum Blockchain

Alchemy University

2012 **TOGAF 9.1 Certified**, Enterprise Architecture

The Open Group