

Alejandro Saez Castells

Blockchain & Smart Contract Engineer | Backend & Full-Stack Engineer

Valencia, Spain - Open to remote/international roles

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SUMMARY

Blockchain & Smart Contract Engineer with 8+ years of engineering experience across industrial automation, backend systems, and full-stack development, now focused on Solidity, DeFi, marketplace platforms, and smart contract security. Built on-chain systems for real operational workflows, integrated Web3 into production backends, and contributed to a live vacation-rental platform with KYC, search, and Web2/Web3 integrations. Winner of a Camino Network & Vueling hackathon.

HIGHLIGHTS

- Hackathon Winner (Decode Travel Barcelona 2025): designed and implemented smart contracts for an on-chain aviation turnaround checklist with task ownership, SLA deadlines, KPI computation, and certification.
- AtlasOra Platform: contributed full-stack features to a live vacation-rental marketplace, including KYC/user verification flows, search improvements, and Web2/Web3 integrations.
- Blockchain Accelerator: created 15+ projects across DeFi primitives, including DEX mechanics, swaps, liquidity pools, yield, lending/borrowing, token systems, and security practices.

CORE SKILLS

Blockchain: Solidity, Foundry, Hardhat, EVM, ERC-20/721, DeFi, IPFS, smart contract security, Web3 wallet flows
Backend/Web3: Node.js, TypeScript, Express, Java, Spring Boot, REST APIs, Keycloak, Swagger/OpenAPI
Product/Integrations: KYC/user verification, marketplace search, third-party APIs, Web2/Web3 integrations
Data/Infra: PostgreSQL, MongoDB, Amazon S3, Docker, CI/CD (GitHub Actions/GitLab CI), Git
Frontend: React, Gatsby, TypeScript, JavaScript

EXPERIENCE

- **A3M Global Monitoring - Java Backend / Blockchain Developer** 2023 - Present
 - Developed scalable backend services with Java and Spring Boot, delivering secure REST APIs.
 - Implemented authentication and access-control patterns using Keycloak and documented APIs with OpenAPI/Swagger.
 - Built internal backend functionality including a translation API with provider integrations, caching, PostgreSQL statistics, and CI/CD workflows.
- **AtlasOra - Full-Stack Developer** Recent project
 - Contributed to a live vacation-rental marketplace focused on trusted listings, user verification, search experience, and guest/host interactions.
 - Implemented and improved KYC/user verification flows, marketplace search behavior, and Web2/Web3 integration points.
- **Defdone - Full-Stack & Web3 Developer** 2022 - 2024
 - Built full-stack applications with React, Node.js, and TypeScript.
 - Implemented Web3 integrations, wallet flows, contract interactions, API layers, and Casper ecosystem tooling including Fondant.
- **Industrial Automation (Ford, Gestamp, SEAT and others) - Automation Engineer** 2014 - 2023
 - Programmed and commissioned automated production systems across Europe under tight uptime and safety constraints.
 - Applied process modeling and root-cause analysis - transferable to designing robust on-chain and backend workflows.

SELECTED PROJECTS

- **Decode Travel Barcelona 2025 - Camino Network & Vueling (Hackathon Winner)**
 - dApp where each flight turnaround is a smart contract tracking tasks, actors, deadlines, SLA logic, KPIs, certificates, and ERC-721 TurnaroundBadge rewards with IPFS metadata. Repo: github.com/aanit-app/decode-travel-with-vueling; Demo: decode-travel-with-vueling.vercel.app
- **AtlasOra Platform - Live Vacation-Rental Marketplace**
 - Contributed full-stack product features around KYC, search, Web2 service integrations, Web3-related integrations, and platform reliability. Live: atlasora.com
- **Fondant - Casper Blockchain Testing Environment**
 - Ganache-like application suite for Casper development, packaging CCTL in Docker with UI views for accounts, blocks, deploys, events, logs, and local node RPC workflows. Repo: github.com/defdone/fondant-app
- **Casper Ecosystem Platform**
 - Backend/full-stack platform aggregating Casper ecosystem data, GitHub project activity, CoinMarketCap data, S3 price-history storage, Swagger/OpenAPI docs, and Gatsby/React frontend. Link: casperecosystem.io

EDUCATION

Industrial Engineering (Automation & Industrial Electronics) - Universidad Politecnica de Valencia

LANGUAGES

Spanish (Native) - English (Fluent) - German (Basic)