

PACO OSUNA

PROFILE

Senior **Web3 Full Stack Engineer** with **7+ years** of experience. Expert in **DeFi, FinTech, Web3 Identity, and Gaming**. I architect and deploy decentralized applications from **scratch**, leveraging **Solidity, Rust (Solana, Aptos), Web3.js/Ethers.js, Golang, React**, and **AWS/GCP**. Proven leader in fast-paced environments, I deliver **high-impact** solutions in smart contracts, cross-chain protocols, AI integration, and secure identity systems.

KEY WEB3 EXPERTISE

- **Smart Contracts & DeFi:** Solidity (EVM), Rust (Solana, Aptos, CosmWasm). Expertise in **Lending, Borrowing, Staking, Restaking (Lido), DEXs (AMM/Order Book), NFTs (Auction, RWA Tokenization), DAOs, Cross-Chain Liquidity (LayerZero, IBC), Token Bridges**.
- **Web3 Frontend:** React, Next.js, Redux, Three.js, Web3.js, Ethers.js, [@solana/web3.js](#). Building **dApps, NFT Marketplaces, MPC/DID Wallets, DEX Aggregators**.
- **Blockchain Infrastructure:** Account Abstraction (ERC-4337, Biconomy, Web3Auth), MPC, DID Systems (ZK-Proofs, OpenID). Gas Optimization, Transaction Orchestration, Subgraph, Tenderly, Oracles.
- **AI/Data & Backend:** Data Pipelines (Kafka, Redis, Spark); AI-powered crypto market analysis (OpenAI finetuning). Node.js, Golang, Java, C++.
- **Cloud & DevOps:** AWS (EC2, EKS, Lambda, DynamoDB), GCP (GKE, Cloud Functions), Docker, Kubernetes, Terraform, CI/CD (GitHub/GitLab Actions). **Unit/Fuzzing/Audit Testing (Chai, Echidna, Slither, MythX)**.

PROFESSIONAL EXPERIENCE

Self Employed

12/2024 - PRESENT

- Architected and led full-stack **DeFi platform** development, including **Rust smart contracts on Solana** for lending/borrowing.
- Integrated **ML models** to optimize **transaction routing**, reducing **costs**.
- Managed and scaled **AWS** infrastructure.

Treasure – Lead Blockchain Engineer (Web3 Full Stack)

11/2022 - 12/2024

- **Led a 4-person blockchain team** for a decentralized gaming metaverse (TreasureDAO).
- Architected and implemented **Cross-Chain Liquidity Staking** (LayerZero, IBC) on EVM/Cosmos using Solidity/CosmWasm.
- Drove integration of **Lido restaking** and **RWA Tokenization** to enhance in-game economies.
- Developed **hybrid DEX smart contracts** and a complementary **DEX aggregator frontend**.
- Pioneered **Account Abstraction (ERC-4337)** and **MPC wallet integration** for improved UX.

- Engineered high-throughput backend systems for reward distribution (5K+ daily TXs) and **gas-optimized transaction orchestration** (\$2M+ daily cross-chain volume).
- Streamlined CI/CD for zero-downtime smart contract updates, scaling to 10K+ MAUs.

Shiba Token – *Smart Contract & Web3 Full Stack Developer*

12/2019 – 10/2022

- Designed and deployed secure **Solidity/Rust smart contracts** for core **DeFi protocols** (lending, borrowing, yield farming) within the Shiba Inu ecosystem.
- Played a key role in developing a **Decentralized Web3 Identity System (ZK-Proofs, OpenID)**.
- Contributed to an Ethereum-based **Game NFT marketplace** (ERC20, ERC721, ERC1155).
- Implemented **gas optimization** best practices, yielding significant cost savings.
- Developed scalable microservice backends (Node.js, Java, C++, Kafka, Redis) supporting **Shibarium Layer-2 infrastructure**.

Native – *Full Stack Developer*

09/2017 – 11/2019

- Developed full-stack web applications using **MERN stack**, enhancing performance with Next.js SSR.
- Designed and implemented scalable cloud solutions on AWS (EC2, S3, Lambda, RDS).
- Implemented resilient microservice backend using Apache Kafka and Redis.

EDUCATION

Bachelor of Science in Computer Science

University of Santo Tomas – 2013 – 2017