Alejandro Quesada Suárez

Blockchain Solutions Architect | Smart Contract & DApp Engineer ✉️
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PROFESSIONAL SUMMARY

Blockchain & Smart Contract Engineer with a strong background in Computer Engineering and 2+ years of experience designing decentralized architectures. Specialist in **EVM-compatible chains**, **Solidity security patterns**, and **Gas optimization**. Proven track record of deploying successful NFT collections and integrating **Web3 technologies** into scalable Web2 infrastructures (AWS/Node.js). Combining deep technical expertise in cryptography with the product vision of a founder who has shipped software to over **100,000 users**.

TECHNICAL ARSENAL (WEB3 FOCUSED)

- **Blockchain Core:** Solidity (Advanced), Smart Contract Architecture, EVM, OpenZeppelin Standards (ERC-20, ERC-721, ERC-1155).
- **Web3 Integration:** Web3.js, Ethers.js, IPFS/Pinata, WalletConnect, The Graph.
- **DevTools & Security:** Hardhat, Truffle, Remix, Ganache, Slither (Static Analysis), Gas Optimization techniques.
- **Backend & Cloud:** Node.js (Off-chain logic), AWS Lambda (Serverless minting), Merkle Trees (Whitelisting).
- **Mobile & Frontend:** Kotlin, Flutter, React (DApp Frontend connection).

PROFESSIONAL EXPERIENCE

Blockchain Architect & Technical Co-Founder | Duonion *2022 – 2025*

Led the architectural design and technical strategy for Web3 solutions, bridging the gap between decentralized protocols and user-friendly mobile/web interfaces.

- **Decentralized Architecture:** Designed secure server architectures integrating **AWS Lambda** with **Ethereum-based smart contracts**, ensuring high availability for decentralized applications.
- **Product Strategy:** Defined the technical roadmap for blockchain integration, focusing on scalability and security for commercial clients.
- **DApp Development:** Oversaw the full-stack development of decentralized applications, ensuring seamless wallet connectivity and transaction signing flows.

Lead Smart Contract Developer | Confidential NFT Project *2020 – 2023*

Engineered and deployed a high-performance NFT collection, handling the entire lifecycle from Smart Contract creation to minting DApp.

- **Smart Contract Engineering:** Wrote and optimized **Solidity** contracts for an NFT collection, implementing advanced features like presale whitelisting (using Merkle Trees to save gas) and reveal mechanics.
- **Security & Optimization:** Conducted rigorous internal auditing to prevent common vulnerabilities (Reentrancy, Overflow/Underflow) and optimized storage layout to minimize gas costs for users.
- **Web3 Implementation:** Built the minting DApp using **Web3.js**, connecting the frontend with the blockchain for real-time supply tracking and secure purchasing.

Senior Mobile & Software Engineer | Independent Consultant *2019 – Present*
Delivering high-reliability software solutions. Demonstrated ability to build products that achieve mass adoption.

- **Oraculum (Android):** Engineered a native Android application that achieved **100,000+ downloads** and a 4.7-star rating. Implemented secure payment gateways and GDPR-compliant data handling—skills directly transferable to DeFi security standards.
- **Numerology (Flutter):** Developed a cross-platform mobile application, optimizing performance and user engagement through advanced analytics.

EDUCATION

Computer Engineering Degree | Universidad de las Palmas de Gran Canaria (ULPGC) — *2018*

- *Focus:* Neural Networks, Genetic Algorithms, and Cryptographic fundamentals.

CERTIFICATIONS & COMMUNITY

- **Research:** Active researcher in emerging blockchain applications and NFT utility models.
- **Stack Overflow:** Top contributor (400+ reputation) aiding the developer community in technical troubleshooting.

LANGUAGES

- **Spanish:** Native
- **English:** Proficient (B2/IELTS 6.5) - *Technical fluency for global remote teams*.