SEAN LUIS GUADA RODRIGUEZ

Senior Frontend & Blockchain Developer
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PROFESSIONAL PROFILE

Senior Frontend and Blockchain Developer passionate about technology and focused on building robust web and decentralized solutions. Expert in Vue.js (Nuxt.js, Pinia, Router, Tailwind CSS) and Node.js (NestJS, Express), with solid experience in developing and optimizing DApps using Solidity, Hardhat, Polygon (including zkEVM), Hedera Hashgraph, and Viem. Proficient in AWS infrastructure (EC2, Route 53, Lambda, S3, CloudFront), Docker, and databases (MySQL, MongoDB).

PROFESSIONAL EXPERIENCE

FRONTEND ENGINEER

AgTrace | Florianópolis, SC, Brazil | May 2021 - Present

- Develop and optimize complex user interfaces for agricultural traceability platform using Vue.js/Nuxt.js, Pinia, and Tailwind CSS.
- Lead the development of decentralized applications (DApps) for the agricultural sector using Solidity, Hardhat, and Polygon.
- Implement optimized smart contracts that improve performance and reduce transaction costs.
- Collaborate on an innovative traceability project with Abrapa, Reserva, C&A, and Renner, providing complete visibility of the production chain through QR codes.
- **Technologies**: Vue.js, Nuxt.js, Pinia, Tailwind CSS, Solidity, Hardhat, Polygon, Hedera Hashgraph, Viem

BACKEND DEVELOPER

QA-BIT | Barcelona, Spain (Remote) | September 2022 - September 2023

- Optimized processes using advanced caching techniques and database query optimization.
- Implemented queue and real-time messaging systems, improving scalability between services.
- Developed secure and efficient RESTful APIs with NestJS and TypeScript.
- Participated in the development of the "Impulsando Tu Digitalización" project for UPTA Spain.
- **Technologies**: NestJS, Express, TypeScript, MySQL, MongoDB, Redis, AWS (S3, SES)

FULLSTACK DEVELOPER

Independent | Remote | February 2020 - June 2022

- Created complete web applications using Vue.js for frontend and Node.js (Express/NestJS) for backend.
- Implemented AWS solutions and Docker deployment for multiple projects.
- Developed DApps and smart contracts for various clients.

- **Technologies**: Vue.js, Nuxt.js, Node.js, Express, AWS, Docker, MongoDB

HIGHLIGHTED PROJECTS

GITHUB OPEN SOURCE EXPLORER

- Web application to discover and track open-source projects on GitHub.
- [Website](#)
- **Technologies**: Nuxt 3, Vue 3, Tailwind CSS

GITHUB EXPLORER VS CODE EXTENSION

- Extension to explore GitHub trends directly in VS Code.
- [GitHub](#)

DEFI PROTOCOL SOLVENCY PROOF STANDARD

- Standard proposal for solvency verification in DeFi using zk proofs.
- [GitHub](#)

ETHEREUM MERKLE PROOF CACHING

- EIP proposal for cache optimization in Merkle proofs on Ethereum.
- [GitHub](#)

EDUCATION & CERTIFICATIONS

UNIVERSITY AT BUFFALO / COURSERA

Specialized Blockchain Program | January 2022 - February 2023

- Blockchain Basics
- Blockchain Platforms
- Smart Contracts
- Decentralized Applications (Dapps)

COURSERA

Associate of Science - Computer Programming

INSTITUTO POLITÉCNICO DE INFORMÁTICA "PABLO DE LA TORRIENTE BRAU"

IT Technician | 2009 - 2012

TECHNICAL SKILLS

- **Frontend**: Vue.js, Nuxt.js, Pinia, Vue Router, TypeScript, JavaScript (ES6+), Tailwind CSS
- **Backend**: Node.js, NestJS, Express.js, TypeScript
- **Blockchain**: Solidity, Hardhat, Polygon (PoS, zkEVM), Hedera Hashgraph SDK, Viem, Ethers.js
- **Databases**: MySQL, MongoDB
- **Cloud & DevOps**: AWS (EC2, Route 53, Lambda, S3, CloudFront), Docker, Git, GitHub Actions