Alejandro Ochoa

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PROFESSIONAL EXPERIENCE

Pareme
Lead Protocol Researcher | Lead Developer | Jan 2025 - Present
- Designed and developed Pareme, a fully functional proof-of-work blockchain in Go, featuring mining, TCP networking, peer discovery, and storage/file management with minimal dependencies.
- Engineered a pointer-based storage system enabling O(1) discovery of block data, optimizing performance / scalability.
- Created Pareme as a parent PoW blockchain to facilitate merge mining, analyzed PoW isolation to link multiple blockchains to a shared layer, optimizing security and resource efficiency across networks.

Metal Seeds LLC
CEO | August 2024 - Present
- Founded Metal Seeds LLC, designing and manufacturing metal seed phrase plates for secure cryptocurrency storage.
- Configured and managed a VPS to host a cryptocurrency payment processing system, enabling secure, seamless transactions for customers.
- Developed plate designs using CAD software, collaborating with local metalworkers for precision cutting, and performed sanding, preparation, and laser etching with custom vector graphics using EZCad software.

Ochoa's Mobile Notary
Sole Proprietor | May 2023 - Present
- Established a local notary service, notarizing critical documents, including the official declaration of candidacy for a presidential candidate and VP with 500,000 votes.
- Built a WordPress-based website using JavaScript, CSS, PHP, and MySQL, creating a professional online presence and managing content delivery.
- Developed a custom appointment scheduling system in PHP, leveraging MySQL to store appointment data and Google Maps API to calculate optimal appointment times based on customer locations and existing bookings.

JPMorgan Chase Bank, N.A
Relationship Banker | May 2022 - May 2023
- As Manager on Duty (MOD), applied Series 6, 63, SIE licenses to onboard clients into investment, mortgage, and business banking solutions, leveraging financial product knowledge and BSA/AML/OFAC compliance.

Associate Banker | Sep 2021 - May 2022
- Handled secure transactions, including wire transfers and cash deposits, ensuring accuracy and fraud prevention.

Graduate School of Education, UC Berkeley
Research Assistant | Aug - Dec 2019
- Processed hours of classroom teacher meeting videos to evaluate curriculum effectiveness for Oakland schools.

Drum Instructor Jan - May 2020

EDUCATION

University of California, Berkeley | Aug 2021
Bachelor of Arts in *Applied Mathematics*
Coursework: Numerical Analysis, Statistics, Complex Analysis, Mathematical Programming

Miramar College and **Mesa College** | May 2019
Associate of Arts in *Mathematics* (Graduated on Dean's List)

Obtained Licenses & Examinations
Series 63 - *Uniform Securities State Law Examination* | **Series 6** - *Investment Company and Variable Contracts Products Representative Examination* | **SIE** - *Securities Industry Essentials Examination* | **California Life License** - *Life - Var Life & Var Annuity* | **Notary Public** - Napa County, *California*

SKILLS

Programming Languages: Go, Python, PHP, HTML, JavaScript
Technical Expertise: Blockchain development, API integration, VPS management, Cryptocurrency Payment Processing, Web Development, CAD Design, Regulatory Compliance (BSA/AML/OFAC)
Soft Skills: Quick Learner, Excellent Organization, Active Listening, Critical Thinking, Personable, Trustworthy
Additional: Competed in Drum Corps International as a highly competitive snare drummer