

Patricio Calderon

CONTACT

Spain | Remote worldwide

patriciobcs.com

linkedin.com/in/patriciobcs

github.com/patriciobcs

CORE SKILLS

PRODUCT

Web, mobile, desktop, backend services

SYSTEMS

TypeScript, React, Next.js, Node.js, Rust

DATA & INFRA

PostgreSQL, Docker, Cloudflare, data workflows

SECURITY

Application security, auditing, SAST, DAST

EDUCATION

INSA LYON

MSc in Computer Science 2021 - 2023

UTFSM, CHILE

Civil Engineer in Computer Science 2017 - 2023

LANGUAGES

SPANISH

Native

ENGLISH

Full professional

FRENCH

Professional working proficiency

AVAILABILITY

Open to selected remote and international freelance engagements.

INDEPENDENT SOFTWARE ENGINEER

FULL-STACK PRODUCTS | APPLICATION SECURITY

PROFILE

Full-stack software engineer building web products, backend platforms, data-intensive workflows, Rust systems, and security-sensitive software from architecture through production delivery.

EXPERIENCE

Parity Technologies Jul 2023 - Present
Application Security Engineer

- Manage application security across the Polkadot SDK, runtimes, bridges, and ecosystem projects, including vulnerability disclosure, reviews, and remediation.
- Created and maintain PSVM, a Rust dependency-management tool with 59 GitHub stars, 13 forks, and 76 commits as of August 2026.
- Presented defense tools and the Polkadot Security Hub at Polkadot Decoded 2024 in Brussels.

CertiK May 2022 - Jul 2023
Blockchain Security Engineer, promoted from Security Intern

- Audited smart contracts, wallets, and blockchain infrastructure across Rust, Solana, Substrate, Solidity, Near, and related ecosystems.
- Identified critical and high-severity findings as an intern, earned a full-time offer, and received best finding of the month recognition multiple times.

KRYPTOSPHERE Oct 2021 - Present
Web3 Developer

- Build blockchain products and decentralized applications; co-developed Atomik, a zero-knowledge atomic-swap prototype that won four ETHBarcelona 2023 prizes totaling more than \$12,000.

Envision Jan 2020 - Oct 2021
Software Developer

- Built e-signature workflows, company web products, and Microsoft Azure and SharePoint integrations for real-estate operations.

SELECTED WORK

OpenReader openreader.io

Local-first AI | Desktop + web

Built a local-first AI reader for text, PDFs, EPUBs, and articles using React, TypeScript, Tauri, Rust, FastAPI, MLX, and Next.js. It delivers streaming audio generation, synchronized word highlighting, project persistence, and private offline execution.

Solo build | Shared reader engine | Private local inference

PSVM github.com/paritytech/psvm

Open source | Rust | Polkadot SDK

Created the Polkadot SDK Version Manager, now maintained in the Parity Technologies organization and usable as both a CLI and Rust library.

59 GitHub stars | 13 forks | 76 commits

Atomik devfolio.co/projects/atomik-6808

Hackathon | 4 winning tracks

Built a ZK-enabled atomic-swap and liquidity prototype between Aleo and XDC or other EVM-compatible chains in a four-person team, winning four ETHBarcelona prize tracks.

\$12K+ total prizes | 403 community votes

PUBLIC WORK

Polkadot Decoded 2024 Polkadot Security Hub

Conference talk

Presented practical defense tools and introduced the Polkadot Security Hub in Brussels.

Patricio Calderon | CV

Security infrastructure
Contributed to public vulnerability disclosure guidance, threat models, and ecosystem security resources.

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