

Rafael Coca Leventhal

Software Developer | Full-stack & Backend

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Software developer at BTG Pactual building C#.NET services and React portals for supply chain finance. Personal projects span Rust web services, real-time multiplayer, and a Zig chess engine. Interested in full-stack and backend roles and AI-assisted development.

EXPERIENCE

BTG Pactual — Analyst

Jan 2026 – Present

- Develop and maintain C#.NET backend services and React portals for receivables financing operations in the Risco Sacado (supply chain finance) team.

BTG Pactual — IT Assistant

Mar 2025 – Dec 2025

- Contributed to backend and frontend development for the Risco Sacado team before moving into an analyst role.

Moveu — Software Development Intern

Aug 2024 – Oct 2024

- Worked as the startup's sole developer, automating JSON specification files for customizable furniture, including component dimensions and drilling patterns.

BTG Pactual — Summer Intern

Jan & Jul 2024

- Built a .NET logging library to standardize logs across the Risco Sacado team and integrated it into an Azure CI pipeline.

SELECTED PROJECTS

Local Cinema | Rust, Axum, React, TypeScript

Built a self-hosted cinema with synchronized screenings, HLS video preparation, subtitle workflows, and per-user access. Deployed on an Oracle Cloud ARM64 VM with Nginx and systemd.

CheSSH | Rust, Tokio, Ratatui

Built a multiplayer chess server over SSH with matchmaking, persistent game history, and UCI engine integration. Runs on Oracle Cloud with an interactive terminal interface.

Zander | Zig, NNUE, UCI

Developing a native Zig port of Stockfish with neural network evaluation, parallel search, and differential testing against a pinned C++ reference.

TECHNICAL SKILLS

C# / .NET, React, TypeScript, Rust, Zig, Python, Go, SQL

Git, Bun, Linux, Nginx, systemd, Oracle Cloud, Azure CI, AI-assisted development

EDUCATION

Inspen — Bachelor's degree in Computer Engineering | Jan 2021 – Dec 2025

LANGUAGES

Portuguese: native · English: advanced (school exchange in Canada, 2019)