

Lucas Barrena

Software Developer

14+ years of experience | 100+ reusable modules | 7600+ contributions

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- Expert in building backend systems
- Worked with UI/UX and frontend design
- Hired and managed software developers
- Experienced with Google/Meta advertising
- Able to explain complex concepts and teach others
- International team experience in English and Spanish

PROJECTS

725,000+ downloads | 195+ stars | 38+ forks 2025 – Present

- Built a complete AI chat product with Stripe, OpenAI, and Node.js
- Built a search service with LangChain, HuggingFace Transformers, and a vector database
- Added P2P features to WebRTC calls and RTMP streams

Node.js, P2P | 250+ GitHub stars | 120+ HackerNews points 2022 - 2023

- SSH built from scratch in JavaScript with peer-to-peer connections
- Used UDP hole punching techniques to bypass firewalls reliably
- Knowledge on low-latency networking and high-performance distributed systems

EXPERIENCE

Node.js | C/C++ | Internet of Things Node.js since 2017

- Created a physical smart switch and development tooling for ESP32
- WiFi manager in C with UI for automatic setup for IoT devices
- Built an over-the-air update system in C with a backend for hosting

Solidity | JavaScript | Cryptocurrencies JavaScript since 2014

- Rebuilt the entire Solana stack from scratch in Node.js
- Built modules for heavy math and arbitrage simulations
- Used React, Next.js, MySQL, MongoDB, SQLite, and RocksDB

GoLang | SourcePawn | Neural Networks SourcePawn in 2012

- Built the first neural network in SourcePawn, never seen before in the language
- Developed a neural network with genetic algorithms in GoLang
- Embedded tiny neural networks in Arduino and ATmega328P microcontrollers

SKILLS

Teamwork: Worked with Spanish and English teams making weekly calls and daily chats

Leadership: Employed and led people, followed up on tasks, and standardized processes

Employees: Dealt with salaries, task delegation, hiring, and reviewed hundreds of CVs

Code: Experience with hundreds of code reviews providing positive, constructive and tactful feedback

Stakeholders: Translated complex technical concepts into clear language and actionable plans