

Cristian Di Carlo

Bitcoin & Lightning Software Engineer · Full Stack · TypeScript

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PROFESSIONAL SUMMARY

Full-Stack Engineer specializing in **TypeScript**, **React Native**, and **Bitcoin / Lightning**. Experienced shipping production-grade features end-to-end: **wallet integration**, **payment flows**, **secure storage**, and **decentralized protocols**. Strong focus on **code quality**, **testing**, and cross-layer collaboration across mobile, web, and backend.

TECHNICAL SKILLS

Frontend TypeScript React React Native Expo Next.js Vite HTML5 CSS3 Tailwind CSS
Backend & DB Node.js NestJS REST APIs Auth / JWT PostgreSQL SQLite
DevOps & Other Docker GitHub Actions Vercel Jest Maestro E2E Git Linux WebSockets Bitcoin Lightning
WDK

PROFESSIONAL EXPERIENCE

Bitcoin & Lightning Software Engineer

May 2026 - Present

paid24/7 · Blox Space · Turin, Italy

- Developing **Bitcoin and Lightning** integrations within a payment orchestration platform, contributing to wallet infrastructure and transaction flows via **REST/OpenAPI**.
- Building **Telegram Mini Apps** with payment UI flows and backend integrations for sending and receiving digital asset payments; integrating **Tether WDK** for non-custodial wallet flows and secure key management.
- Contributing across the full stack (**React** frontend and **Node.js** backend integrations) to deliver secure and reliable payment features.

React Native Engineer

Apr 2025 - Apr 2026

Portal Technologies Inc · Brescia, Italy (Hybrid)

- Contributed to **React Native + Expo** architecture for **Portal App**: worked on **state management (16 Context providers)** for concurrent payment flows, identity sync, and **offline-first** operations across **150+ TS files** (36k LoC).
- Shipped major features: **AppLock** security, **cloud backup** with native modules (**Kotlin/Swift**), **Nostr protocol** integration with **NIP-05** identity resolution, and payment integrations including **Breez SDK** and **NWC**.
- Raised code quality with **Biome**, **Jest**, and **Maestro E2E** testing; shipped **30+ features** across mobile, protocol, and backend layers.

Frontend Developer

Aug 2023 - Jul 2024

Enhancers · Tinexta Group · Turin, Italy (Remote)

- Built an **IoT device management dashboard** (Tecnoalarm) with **Angular** and a **customer portal** (Illumia) with **React**, translating **Figma** designs into responsive, performant UIs; integrated **REST API** endpoints and applied performance optimization techniques.

PROJECTS

Spendr [GitHub Portfolio](#)

React Native · Expo · TypeScript · SQLite · React Context API

- Built a full-featured **personal finance tracker** at the **24h HACK.BS hackathon**: expense/income tracking, budget management, recurring transactions, **offline-first SQLite**, **biometric auth**, and **multi-currency** support including **Bitcoin**.
- Delivered interactive **data visualizations** (pie/line charts, financial reports) with **memoized components** and async DB operations.

DockerCraft [GitHub Portfolio](#)

Docker · Shell · lazycm · ServerJars API

- **Docker image** for self-hosted **Minecraft servers** with smart idle sleep via **lazycm**; supports multiple server flavors (Vanilla, Paper, Fabric, Forge) through a flexible env-var configuration system.

EDUCATION

Commercial Technical Institute

2013 - 2018

ITC G.B. Ferrigno · Castelvetro, Italy

LANGUAGES

Italian Native

English C1 – Technical fluency

CERTIFICATIONS

NextJS Development Course

Udemy · 2022

Web Developer Course

Udemy · 2021

INTERESTS

Open source

Developer tooling

Gaming

Fitness