

Cristian Di Carlo

Mid-level Frontend / Full Stack Developer · TypeScript

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PROFESSIONAL SUMMARY

Mid-Level Full-Stack Engineer specializing in **TypeScript**, **React**, and **React Native**. Experienced shipping production-grade features end-to-end: **state management**, **real-time systems**, **secure storage**, and **payment integrations**. 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

PROFESSIONAL EXPERIENCE

React Native Engineer

Apr 2025 - Apr 2026

Portal Technologies Inc · Brescia, Italy (Hybrid)

- Led **React Native + Expo** architecture for **Portal App**: designed **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**), and **Nostr protocol** integration with **NIP-05** identity resolution and race condition handling.
- Delivered payment integrations: **Breez SDK**, **Nostr Wallet Connect (NWC)**, **QR/NFC scanning** with real-time status sync; implemented **Bitcoin/Lightning** key derivation and **biometric auth** with **Expo SecureStore**.
- Raised code quality by introducing **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 **IoT device management dashboard** (Tecnoalarm) with **Angular** and a **customer portal** (Illumia) with **React**, translating **Figma** designs into responsive, performant UIs following design system guidelines.
- Integrated **REST API** endpoints for IoT device data and applied **performance optimization** techniques.

Full Stack & Frontend Developer

Jan 2023 - Aug 2023

Entiende S.R.L. · Naples, Italy (Remote)

- Designed and built a **real-time notification system** using **Socket.io** and **NestJS** within a **microservice architecture (Express.js + Angular)** to display live Facebook conversion leads via toast notifications.
- Developed responsive landing pages for TIM ad campaigns and implemented **CRM backoffice** features in **Angular**.

PROJECTS

Expensify [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 · lazycmc · ServerJars API

- **Docker image** for self-hosted **Minecraft servers** with smart idle sleep via **lazycmc**; 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