

Samuele Rota
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To the kind attention of the Human Resources Department

Dear Hiring Manager,

my name is Samuele Rota and I am a self-taught full-stack developer looking for an opportunity as a Junior Developer in a full-remote role. I am writing to submit my application, confident that my technical skills and determination can add value to your team.

Over the past few months I have independently designed and built NexCode AI, a desktop application that integrates artificial intelligence models to assist developers with debugging and code maintenance. Starting from scratch, I built the entire technical stack: a React and TypeScript frontend on Electron, a serverless backend on Cloudflare Workers/Pages with a Cloudflare D1 database, an OAuth 2.0 authentication system with AES-256 encryption compliant with GDPR, and an automated CI/CD pipeline with GitHub Actions. This project allowed me to learn firsthand what it means to design, build, and maintain a complete software product, from the first line of code to deployment.

Before dedicating myself to software development, I worked for years as an electrical technician and elevator installer: a path that taught me precision, adherence to technical specifications, and the ability to solve concrete problems under real safety and time constraints. These are skills I also bring to the way I approach software development, with method, attention to detail, and strong motivation to learn.

I am fully available for full-remote employment and eager to grow within a structured team, putting to good use what I have built so far on my own. I would welcome the opportunity for an interview and have attached my resume for further details.

Best regards,
Samuele Rota



Samuele Rota

Junior Full-Stack Developer

+39 379 206 1803 • samuele.rota99@icloud.com • Mandello del Lario (LC), Italy

Available for full-remote, on-site, or hybrid work throughout Italy

[Personal Portfolio](#) | [NexCode Podcast \(Spotify\)](#)

PROFESSIONAL PROFILE

Self-taught Full-Stack Developer with hands-on experience in the end-to-end design and development of an AI-powered desktop application (React/TypeScript frontend, serverless backend on Cloudflare, OAuth authentication, CI/CD pipeline). Comes from a technical background in electrical/plant engineering, which developed precision, the ability to read technical documentation, and concrete problem-solving skills. Currently looking for a Junior Developer role in full-remote mode, to leverage full-stack skills built independently and grow within a development team.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Swift

Frontend: React, HTML, CSS

Backend & Database: Node.js, Cloudflare Workers, SQLite, Cloudflare D1

Authentication & Security: OAuth 2.0, AES-256 encryption, GDPR compliance

Versioning & DevOps: Git, GitHub, GitHub Actions (CI/CD), REST APIs

Other: Electron (desktop apps), AI model API integration (Claude, OpenRouter, Ollama), Office Suite

PERSONAL PROJECT

NexCode AI — 2026 – ongoing

Personal project conceived and developed independently: a desktop application that integrates artificial intelligence models to assist developers with debugging and code maintenance.

- Frontend development with Electron, React and TypeScript; serverless backend on Cloudflare Workers/Pages with Cloudflare D1 database (SQLite).
- Design of a bug-detection and automatic patch-generation feature, with automated testing and rollback, via integration with AI model APIs (Claude, OpenRouter, Ollama).
- Implementation of OAuth 2.0 authentication (Google, Microsoft, Apple) with AES-256 encryption, GDPR compliant.
- Set up of a CI/CD pipeline with GitHub Actions for automated build, deploy, and notifications.
- Development of an MCP server with native tools for direct integration with GitHub repositories.

WORK EXPERIENCE

Industrial Electrician — Umana spa (staffing agency), at Aldeghi Impianti and Missaglia Angelo, Lecco | 07/2025 – 08/2026

- Wiring and installation of industrial machine-mounted electrical systems, in compliance with technical specifications and safety regulations.

Elevator Installer and Maintenance Technician — Curti Srl, Bosisio Parini | 09/2021 – 06/2025

- Installation and routine/extraordinary maintenance of elevators, freight lifts, and platforms, including technical drawing reading.

Sales Assistant — Game Stop, Lecco | 05/2018 – 07/2020

- Inventory management, assisted sales, and cash register operations.

Apprentice Civil Electrician — R.N. Impianti, Seregno | 12/2017 – 02/2018

- Cable pulling and system connections on civil construction sites.

EDUCATION

Electrical Technician Qualification (Level IV) and Electrical Operator (Level III) — Fondazione Enaip Lombardia, Lecco | 2013 – 2017

Swift Programming Course (32h) — Swift University | 2017

CERTIFICATIONS

Workplace Safety Course – Medium-High Risk (16h) — Maliz Medicina e Sicurezza | 2021

INTERESTS

Technology and artificial intelligence, simulation video games, mountain hiking, pastry making.