

RICHARD GONZALEZ

Software Engineer

DETAILS

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LINKS

[Portfolio](#)

[E-mail](#)

[LinkedIn](#)

[Personal GitHub](#)

[College GitHub](#)

[NuGet Gallery](#)

LANGUAGES

English - C1

Portuguese - C2

Spanish - C2

PROFILE

Full Stack Developer | AI & Data Analytics | SaaS | REST API | Cloud Services | C# | .NET | Next.js | React | TypeScript | Java | PHP | Python | SQL | Swift | JavaScript

Versatile **Full Stack Developer** with expertise in **C#, .NET, Java, PHP, Python**, and **SQL databases**. Experienced in **SaaS solutions, REST API development, and cloud-based architectures**, with a strong background in **cross-platform development**. Proficient in modern front-end frameworks like **Next.js and React**, alongside **TypeScript, JavaScript, and advanced scripting techniques**.

Hands-on experience in **Machine Learning and Data Analytics using Python**, with a deep understanding of **software architecture, debugging, and performance optimization**. Skilled in **Azure DevOps, Git, CI/CD pipelines, and unit testing**, ensuring high-quality, scalable software solutions. Passionate about leveraging **efficient code, automation, and cutting-edge technologies** to develop innovative software solutions.

EMPLOYMENT HISTORY

Volunteer Software Engineer, Penotto Dublin/Ireland
Jan 2025 — Feb 2025

- Developing and maintaining software solutions using **C#, .NET, Next.js, React, and TypeScript**.
- Implementing and optimizing **REST APIs** and integrating with **Swagger API** for documentation.
- Utilizing **Azure DevOps Server** for CI/CD pipelines, source control with **Git**, and project management with **Jira & Confluence**.
- Conducting **unit testing** to ensure code reliability and maintainability.
- Working with **Yarn and Axios HTTP** for efficient package management and API communication.

Skills: Jira, REST API, Confluence, Git, Entity Framework, Unit Testing, C#, Azure DevOps Server, Next.js, TypeScript, JavaScript, React.js, Yarn, Axios HTTP, Swagger API

C# Backend Developer, IQ Robot World
Mar 2020 — Oct 2022

- Developed and maintained **.NET 6** applications with **C# and MySQL**.
- Designed and implemented **REST APIs** to support cloud-based automation solutions.
- Integrated and deployed applications on **Alibaba Cloud**, ensuring scalability and performance.

- Conducted **code reviews**, debugging, and troubleshooting to optimize system functionality.
- Collaborated with cross-functional teams to improve software quality and reliability.

Skills: C#, .NET 6, REST API, MySQL, Alibaba Cloud, Debugging, Communication, Problem Solving, Multitasking, Code Review

Full Stack Developer, Contractor

Brazil

Dec 2008 — Jan 2020

- **Mobile App Development (Android & iOS):** Developed advanced **Android** applications using **Android Studio** and stealth messaging features.
Gained experience in **iOS app development** with **Xcode & Swift**.
- **Android TV App Development:** Created an **Android TV** app for streaming international channels.
Designed a **card-based UI** and integrated streaming content from official sources.
- **Game Development:** Built a **2D aimbot** using **Delphi 7** and mathematical models in **Pascal** for precise targeting.
- **Spy Software Development:** Developed a multi-functional spy application with **webcam, microphone, and screen-sharing capabilities**.
- **REST API Development:** Designed and implemented multiple **RESTful APIs** using **PHP** with **HTTP/HTTPS protocols**.
Adopted **microservices architecture** for improved data integrity and communication between applications.
- **Web Development:** Designed and launched several **websites** using **PHPStorm** and **Dreamweaver CS4**.
- **Low-Level Programming & Assembly Language:** Acquired a solid foundation in **x86 Assembly**, improving low-level programming skills.
- **Freelance Success & Client Satisfaction:** Successfully delivered **custom software solutions** across diverse industries.
Maintained a **creative and problem-solving approach** to meet client requirements.

Skills: HTML5, HTML, jQuery, x86 Assembly, Apache, Android Development, PHP, Dreamweaver, Android Studio, CSS, Java, PhpMyAdmin, Swift, C++, Pascal, iOS Development, C#, MySQL, Delphi 7, Xcode, JavaScript

EDUCATION

Higher Diploma in Data Analytics for Business, CCT College Dublin

Dublin/Ireland

Sep 2023 — Sep 2024

Higher Certificate in Analysis and Software Development, Paulista University

Manaus/Brazil

Aug 2019 — Aug 2021

PERSONAL PROJECTS

Revenue Calculator for Students

Web Application

Feb 2025 — Feb 2025

The Revenue Calculator for Students is an interactive web application designed to help students manage their finances efficiently by calculating revenue from two part-time jobs. The tool assists in estimating earnings, distributing tax credits, and optimizing income allocation, making it easier for students to plan their finances.

Next.js · Git · TypeScript

iCopyTrader v2

Cloud Application

Sep 2021 — Sep 2021

iCopyTrader v2 is a cloud-based automated trading system designed to execute trades on the IQ Option platform with real-time market analysis. The system operates on Alibaba Cloud ECS using Ubuntu (Linux) and is powered by a high-performance .NET 6 backend.

The Telegram Client API serves as the front-end interface, allowing users to monitor trades, execute orders, and receive trading alerts directly from Telegram chat. The trading engine supports multi-currency pair trading (USD, EUR, NZD, etc.) and executes orders asynchronously, ensuring fast and reliable performance.

Cross-platform Development · REST API · C# · Alibaba Cloud · DevOps · Linux

iCopyTrader v1

Web Application

Apr 2020 — Apr 2020

iCopyTrader v1 is the first version of an automated trading system for the IQ Option platform, launched in April 2020. This version was a web-based trading solution, hosted on AWS EC2, with a synchronous backend architecture running on Windows Server.

The system was built using .NET 5 for backend services and PHP, HTML5, and MySQL for the front-end, allowing users to monitor and execute trades through a web interface. The trading engine supported multi-currency pair trading (USD, EUR, NZD, etc.), providing automated trading execution based on real-time market conditions.

HTML5 · CSS · Commercial Software · C# · Windows · MySQL · JavaScript · PHP

ADDITIONAL INFORMATION

Visa

I hold a Stamp 1G - Graduated Visa. Expires on 30/09/2025 + renewable for another year.

Driver's License

I hold an Irish driver's license.