

Cian Martin Bohan

Full Stack Software Engineer | Backend & Systems

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PROFESSIONAL EXPERIENCE

SMARTBOX GROUP | SOFTWARE ENGINEER

September 2025 – Current | Dublin, Ireland

- Built backend services in Go and PHP (with Symfony), plus frontend features in TypeScript with Vue.js.
- Designed and shipped backend services for in development iOS and Android app.
- Built and deployed backend and frontend features as experiments to measure impact on revenue and other key metrics before full deployment.
- Authored Claude Skills for release task decomposition, adopted team-wide to improve planning efficiency and support release KPIs.

TRACEMATICS (RENTALMATICS) | SOFTWARE ENGINEER

March 2024 – September 2025 | Dublin, Ireland

- Backend in PHP/Laravel, frontend in TypeScript and React.
- Migrated legacy API features to a new multi-tenant API, deprecating legacy components without customer-facing disruption.
- Restructured slow SQL queries, improving performance by up to 80% and reducing request latency.
- Built tooling in Python to compare data returned by the legacy and new APIs, significantly improving the team's ability to debug parity issues during migration.
- Implemented major components of a new alerting system to notify customers of potential vehicle theft.
- Implemented new UI components in React, migrated components from our legacy AngularJS frontend.

EXPERLOGIX | SOFTWARE ENGINEER

October 2022 – February 2024 | Drogheda, Ireland

- Backend-focused work in PHP/Symfony, with occasional frontend.
- Delivered the frontend for a new customer portal for a major ERP provider, on time and under significant time pressure.
- Root-caused customer issues and implemented backend solutions, including MySQL fixes and improved error handling.
- Debugged and resolved issues across REST and SOAP services.

GOOGLE IRELAND | SOFTWARE ENGINEER (APPRENTICE)

August 2020 – August 2022 | Dublin, Ireland

- Member of Google's "B2 Internal" SRE team during the final year of my apprenticeship.
- Built a Go service using Protocol Buffers and Stubby (Google's internal gRPC) to collect and log operational metrics from a fleet-wide disk-reclamation system, giving SREs detailed visibility into a previously unobserved service.
- Built a dashboard surfacing issue-resolution metrics for the team.
- Resolved bugs across several internal systems.

RECENT PERSONAL PROJECTS

INTEL 8080 CPU EMULATOR | C, SDL2

- Built a cycle-aware Intel 8080 emulator from scratch — full instruction set, interrupt-driven game loop, and framebuffer/VRAM rendering to run Space Invaders.

LORE | GO, VUE, SQLITE

- Built a tool that ingests Claude Code session transcripts into a queryable knowledge base via LLM-based segmentation and document matching.

SKILLS

PROGRAMMING

Proficient:

C • Go • PHP • Python • HTML • CSS • Sass • SQL

Experienced:

C++ • JavaScript • TypeScript • x86 Assembly

Familiar:

Java • C# • Rust

LIBRARIES/Frameworks

Symfony • Laravel • Node.js • React • Vue.JS • AngularJS

TOOLS

CI/CD (GitLab CI/CD, Jenkins) • Git • GCC/Clang • CMake • GDB • Docker • GitHub • BitBucket • GitLab • Jira • npm • curl • Postman • SoapUI • MySQL • Postgres • nginx • Caddy

AI TOOLS

MCP servers • Skills

PROTOCOLS

REST • SOAP • RPC • gRPC • TCP/IP

EDUCATION

FASTRACK INTO IT (FIT)

LEVEL 6 ADVANCED CERTIFICATE IN COMPUTER PROGRAMMING
August 2022 | Dublin, Ireland
Awarded with Merit

RATHMINES COLLEGE

LEVEL 6 COMPONENT CERTIFICATE IN SOFTWARE DEVELOPMENT
June 2020 | Dublin, Ireland

RATHMINES COLLEGE

LEVEL 5 CERTIFICATE IN SOFTWARE DEVELOPMENT
June 2019 | Dublin, Ireland
Awarded with Distinction

REFERENCES

References available upon request.