

Eamon Boyle

Software Engineer · C# / .NET · React / TypeScript

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PROFILE

Software engineer building production systems and web applications since 2015. Experienced in modernising legacy platforms and working across architecture, implementation, deployment and support. I use AI to help implement changes, backed by automated checks and hands-on verification. I remain responsible for technical decisions and the quality of what ships.

CORE TOOLKIT

Languages	TypeScript, C#, JavaScript, SQL
Applications	React, Next.js, Node.js, React Native, .NET
Data and delivery	SQL Server, Postgres, MongoDB, AWS, Azure, Git, GitHub Actions, Docker, Playwright
AI tooling	Cursor, coding agents, custom verification workflows, MCP servers, AI SDK, local LLMs

EXPERIENCE

On-Music Ltd Software Developer Jan 2025 - Present

- Built a C# and .NET scoring engine that links TV transmissions to productions and episodes using metadata signals, conflict detection and confidence bands.
- Added SQL Server audit trails, score breakdowns and React inspection tools so QA could investigate decisions and record reviewer feedback.
- Investigated processing bottlenecks through production logs and improved queries, indexing and batching.
- Fixed a CI configuration that was allowing test failures to pass unnoticed, making failed checks block delivery.

Watch Portfolio Management Developer Jun 2018 - Dec 2024

- Led the rebuild of a mission-critical UK system in C# and SQL Server, then adapted it for the Australian market.
- Led the move of internal apps to React and TypeScript, backed by a C# .NET Core API and a custom shared component library.
- Managed hosting and deployments on AWS and Azure, and migrated the team's repositories from SVN to Git.

EARLIER ROLES

Apsley Group International Web Developer Apr 2017 - Dec 2017

Rebuilt a horse racing site with live bookmaker data.

Somerset Design Web Developer Jun 2015 - Dec 2016

Custom PHP apps, CMS modules, plus iOS and Android projects.

Geek Central Ltd Software and Web Developer Jan 2015 - Jun 2015

Client websites and a jQuery app shipped to iOS and Android.

SELECTED INDEPENDENT PROJECTS

Koi Katana Mobile browser game with deterministic combat, co-op and browser verification tied to the code revision.	MSSQL MCP Server Published experimental tooling for structured SQL Server access from coding assistants, with configurable operation controls.	Better PRs GitHub PR inbox and AI-assisted review, with explanations alongside a full diff and inline comments.
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LEARNING

Machine learning coursework and exploratory Python projects using PyTorch, scikit-learn, pandas and Jupyter. Independent development and freelance work alongside employed roles.