
Hayden Austin

Software Developer | C# & .NET

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Software developer with C# WinForms, WPF and SQL Server projects, plus web and mobile application development. Work spans relational data access, asynchronous interfaces, offline persistence and backend validation.

SELECTED APPLICATION DEVELOPMENT

Student & module management (coursework) | [Code](#)

- Built a C# WinForms application for creating, searching, updating and deleting student and module records in SQL Server.
- Implemented ADO.NET data access using DataTable, SqlDataAdapter and parameterised stored-procedure calls for form-driven CRUD workflows.

Windows maintenance interface (prototype) | [Code](#)

- Prototyped a C# WPF interface for running DISM and SFC, capturing external-process output and updating controls through the UI dispatcher.

Agronomy field records (in development) | [Project overview](#)

- Developed React Native/Expo records with SQLite persistence, retry-safe uploads and retained correction history.
- Integrated validated weather forecasts with caching, freshness indicators and explicit missing-data states.

Business administration applications | [Project overview](#)

- Built React/TypeScript catalogues and administration tools for products, publishing, media and staff permissions.

EXPERIENCE

Freelance Developer

2023 - 2025

- Developed web applications for commerce and professional services, covering product catalogues, authentication, content management and deployment.

Game Server Developer & Administrator

2019 - 2022

- Built event-driven Java plugins with persistent item metadata and server API integrations; maintained Linux servers and investigated performance issues.

TECHNICAL SKILLS

C# & desktop: .NET Framework, WinForms, WPF, async/await, event handling

Data access: SQL Server, ADO.NET, DataTable, stored-procedure calls

Broader applications: TypeScript, React, React Native/Expo, Firebase, PostgreSQL, SQLite

Engineering: Git, GitHub Actions, automated testing, Linux

EDUCATION

Belgium Campus ITversity

Studies toward a Bachelor of Computing, specialising in Software Engineering.