Declan Riedel

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A little bit about me

Aspiring software engineer and recent A-Level graduate with a solid foundation in programming and system configuration. Eager to build meaningful software and experienced working in Linux-based server environments.

Personal Interests: Running, cycling, swimming, and sports in general.

Profile

- Strong focus on performance, maintainability, and minimalism in software design

- Experienced in Linux server environments, reproducible builds, and declarative configuration via Nix

- Comfortable working close to the system; enjoy understanding how things work under the hood

Formal Education

- **Cambridge A-Levels**   *Completed 2025*
    - Mathematics
    - Physics
    - Computer Science

- **IGCSEs**   *Completed 2023*
    - 10 subjects including First Language English and Second Language German

Technical Skills

- **Languages:** C#, JavaScript, SQL, Nix, C++
- **Frameworks:** Blazor, some experience with Next.js
- **Systems:** Linux (esp. NixOS), shell scripting
- **Tools:** Nix, .NET, PostgreSQL, Git

NixOS enables reproducible system configurations and deterministic dev environments.

Soft Skills

- Fluent in English and Afrikaans
- Comfortable in solo and team-based development

Projects

- **Blazor CRUD App** – An app made to record information about shipping containers using postgres and fluentvalidation with a nice mudblazor ui.

- **THREE.js Minecraft dirthut scene** – A 3D scene where the user can travel around a floating minecraft dirthut

- **X-Men Reading order site** – A prettier frontend for the chronological reading order of around 10 thousand X-Men comics with comic covers displayed.