

Dihan Britz

Software Engineering Student

Available part-time immediately (full-time by 2027)

dbritz22@proton.me
+27 66 337 0662
github.com/DoubledDoge
linkedin.com/in/dihan-britz
Cape Town, South Africa
doubleddoge.github.io/personal-website

Education

BSc Information Technology (Software Engineering)
Eduvos, Cape Town
2024 – Present (graduating May 2027)
79% average (currently)

National Senior Certificate
Jan Kriel School, Cape Town
2021 – 2023
75% average

Skills

Languages

C# · Kotlin · Java · TypeScript · JavaScript · PHP · HTML/CSS · Shell

Frameworks

.NET · ASP.NET Core MVC · Avalonia · Android SDK · Jetpack Compose · Jetpack Room · Svelte

Tools

Git · GitHub Actions · CodeQL · SQL · SQLite · Linux

Profile

Third-year BSc IT (Software Engineering) student at Eduvos focused on C# and .NET. I build desktop apps, reusable libraries and Android apps. I'm currently looking for an internship working on production .NET code, and open to other stacks.

Projects

Notewright

C# · .NET · Avalonia

Avalonia desktop app that plays Virtual Piano sheet notation as keyboard input.

- Runs on Windows, architected for macOS and Linux.
- Split into Core (platform-agnostic parsing and playback), Input (per-platform keyboard simulation behind a common interface) and UI (Avalonia, MVVM).

StaffOps

C# · ASP.NET Core MVC

ASP.NET Core MVC web application.

- Cookie-based authentication and a service layer (staff and admin services) over an in-memory store.

TypeGuard and ConsolePrism

C# · .NET

Lightweight C# libraries for input validation and console output styling.

- TypeGuard works across console and UI frameworks, including WPF, WinForms, MAUI, Blazor and Avalonia.
- ConsolePrism formats errors, successes and output as a simpler alternative to Spectre.Console.

Split Happens

Kotlin · Jetpack Compose · Room

Android blackjack game with a special payout twist. *(group project)*

- Set up the project and its GitHub workflows (CI/CD, releases, CodeQL).
- Designed and implemented the Room database layer.
- Built part of the Compose UI and was the primary code reviewer.

Pulse Monitor

Kotlin · Jetpack Compose · Jitpack

Android overlay library for real-time resource monitoring. *(group project)*

- Set up the library, its Jitpack publishing and GitHub workflows (CI/CD, releases, CodeQL).
- Primary code reviewer.

TripBuddy

Java · Android SDK · SQLite

Android travel companion with photo galleries (with metadata) and trip planning.

- Sole developer; designed and built the app end to end.
- Stores trips and photo metadata locally with SQLite.

Languages and certifications

Languages: Afrikaans (fluent), English (fluent)

Certifications: CompTIA A+ (valid 2026 – 2029)