Daniel M Hurst (aka. DanielDoesStuff)

Front-End Developer | Tinkerer | Problem Solver

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📱 **Phone:** +61 497 738 232
🚀 **Remote Work:** Available worldwide

Summary

I'm a front-end developer and Cyber Security student at Deakin University, with a habit of building things in my spare time. Sometimes they're useful, sometimes they're just fun, but usually they're both. I enjoy taking those *"wouldn't it be cool if..."* moments and actually making them happen. I care about making interfaces that feel right and writing code I won't hate reading later.

Core Skills & Technologies

Front-End: JavaScript, React, HTML, CSS
Back-End: Node.js, Python
Databases: MongoDB
Tools: Git + GitHub, Calude, VSCode, FastAPI

Featured Projects

1. PortalBot – Discord Bot for Portal Speedrunning Community

What it does: It **automates key tasks** like **searching and displaying** world records (by player, category, or year), **converting** between speedrun times and engine ticks with validation, **managing community contribution** counters, **auto-converting videos (MKV → MP4)**, enabling community message pinning via reactions, and **protecting against doxxing with sensitive content detection and moderation tools**.
Tech used: Python 3.10+, discord.py, FFmpeg (media processing), JSON/text persistence, python-dotenv, modular commands
Link: https://github.com/DanielDoesStuffDev/PortalBot

2. TaskFlow – Collaborative Task Management App

What it does: A **full-stack tool** for remote teams to **manage tasks efficiently**. Features include drag-and-drop Kanban boards, **real-time updates** visible to everyone instantly, **shared workspaces with role-based access** (owner/admin/member), **due dates with notifications**, and productivity analytics/charts to **track progress and trends**.

Tech used: Vue 3 (Composition API), Pinia, Tailwind CSS, TypeScript, Vite, Firebase (Auth, Firestore real-time DB, Cloud Functions)
Link: https://github.com/DanielDoesStuffDev/task-management-app

3. PyTalkingPNG – Interactive Twitch PNGTuber

What it does: Python PNGTuber prototype for streamers with real-time Twitch chat integration. **Character animates via voice detection** (expression changes + randomized blinking), responds to chat commands (!rotate, !shrink), and runs smoothly with **multithreading** for concurrent voice/bot/game loops, **boosting stream engagement**.
Tech used: Python, Pygame, TwitchIO, threading
Link: https://github.com/DanielDoesStuffDev/PyTalkingPNG

Professional Experience

IT Teacher & Technician - **Saint Thomas Catholic Primary School**
Sep 2022 (2-week Work Experience Placement)
- Delivered hands-on IT support to staff and students, troubleshooting hardware, software, network, and device issues in a busy primary school environment.
- Taught basic IT lessons and workshops to primary students, covering digital literacy, online safety, and introductory coding concepts.
- Assisted with classroom technology setup, device management, and ongoing maintenance to support smooth daily teaching and learning.
- Developed strong communication and patience skills by providing user-friendly technical support to children and non-technical teachers.

Education

Bachelor of Cyber Security (Computer Science) - **Deakin University**
March 2024 – Present (Ongoing)
- Pursuing a Bachelor's degree in Cyber Security with a strong focus on Computer Science fundamentals.
- Developing practical skills in programming languages including Java and C++.
- Building foundational knowledge in areas such as secure software development, network security, ethical hacking, and system vulnerabilities.

Portfolio & Links

Portfolio: danieldoesstuff.dev
GitHub: github.com/DanielDoesStuffDev
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