

DAYRON A. B. GONZALEZ

FULL STACK & SYSTEMS DEVELOPER

Lehigh Acres, Florida | Portfolio | GitHub

SNOWDENDEV

PROFESSIONAL PROFILE

Full stack and systems developer with 5+ years of experience building secure software, production web products, native Windows components, and hybrid infrastructure. Works across product UX, APIs, data, identity, networking, containers, and deployment, with a practical focus on systems that remain clear, observable, and dependable in production.

CORE EXPERTISE

Product Engineering React, Next.js, TypeScript, Blazor, Tauri, WPF, responsive UI and design systems.	Backend & Data C#, .NET 10, ASP.NET Core, Minimal APIs, EF Core, PostgreSQL, REST and validation.	Systems & Security C++, Rust, Native AOT, Windows Services, mTLS, ECDSA, device identity and Zero Trust.
Cloud & Delivery Azure, Google Cloud, Cloudflare, Docker, GHCR, Coolify, GitHub Actions and CI/CD.	Network & Edge WireGuard, NetBird, gRPC, SignalR, Traefik, Nginx, OPNsense and reverse proxies.	Private Infrastructure Proxmox, Linux VMs, Portainer, MinIO, OpenMediaVault, SFTPGO, backups and monitoring.

SELECTED PRODUCT ENGINEERING

GameVerse

GAMING PLATFORM | SYSTEMS ENGINEERING

Security-first gaming ecosystem spanning a desktop launcher, application services, private networking, real-time control, and device-aware trust boundaries.

- Built with Tauri, Blazor WebAssembly, ASP.NET Core, EF Core, PostgreSQL, SignalR, C++, and Native AOT.
- Designed a local Windows Core service so the UI does not hold backend secrets, certificates, or sensitive endpoints.
- Integrated machine identity, mTLS, ECDSA attestation, NetBird gRPC control, integrity validation, SSE events, and watchdog patterns.

ALDIMED

HEALTHCARE OPERATIONS | FULL PRODUCT

Multi-location medical platform connecting the public website, online appointments, protected intranet, dashboards, reporting, and staff permissions.

- Delivered Next.js and React interfaces with an ASP.NET Core backend, JWT security, protected files, and Docker-based production configuration.
- Connected workflows for three clinic locations across appointments, schedules, deposits, daily reports, resources, and administration.

Monarch Compliance

BUSINESS OPERATIONS | PRODUCTION SAAS

Invoicing and compliance platform for customers, staff, services, audit trails, metrics, and PDF workflows.

- Implemented ASP.NET Core 10, EF Core, PostgreSQL, FluentValidation, React/Vite dashboards, and containerized delivery.
- Supported release management through Docker, GHCR, Coolify, versioning, changelogs, and production impact checks.

SELECTED WORK & TECHNICAL DEPTH

End-to-end delivery across customer-facing products, native systems, networks, and the infrastructure underneath them.

ADDITIONAL PRODUCTION WORK

Acentos Podcast

MEDIA PLATFORM | DIGITAL EXPERIENCE

Production digital home for an independent podcast, translating its editorial identity into a fast and responsive audience experience.

- Next.js, React, TypeScript, responsive UI, performance, accessibility, and Cloudflare Pages delivery.

Grand Line Market

COMMERCE | BRANDED WEB PRODUCT

Commercial experience with reusable components, adaptive themes, clear content hierarchy, and responsive storefront behavior.

- Next.js, React, TypeScript, design systems, contrast management, and responsive product flows.

SYSTEMS, NETWORKING & SECURITY

- Windows Services, Service Control Manager, Native AOT, C++, C, Rust, CMake, WPF, WinForms, Tauri, and managed/native integration.
- WireGuard embedding and lifecycle management, tunnel metrics, health checks, handshake monitoring, ACLs, and service control.
- NetBird daemon SDK using gRPC for setup-key registration, connection control, and failure-tolerant monitoring.
- Identity and trust architecture using JWT, TOTP, roles, claims, granular permissions, mTLS, ECDSA, Ed25519, HWID, signed artifacts, and zero-trust patterns.
- Real-time systems using SignalR, WebSocket, SSE, gRPC, structured logs, health checks, and centralized event streaming.

CLOUD, DEVOPS & HOMELAB

- Public cloud and edge delivery across Microsoft Azure, Google Cloud, Cloudflare, managed DNS, TLS, and global application delivery.
- Container workflows using Docker, Docker Compose, Portainer, Coolify, GHCR, GitHub Actions, CI/CD, PowerShell, and shell automation.
- Self-hosted infrastructure with Proxmox VE, Linux virtual machines, OpenMediaVault, MinIO, SFTPGO, local AI workloads, and backup strategies.
- Secure edge and routing with Traefik, Nginx Proxy Manager, OPNsense, WireGuard, NetBird, reverse proxies, certificates, and traffic shaping.

TECHNOLOGY STACK

Languages	C#, C++, C, Rust, TypeScript, JavaScript, PowerShell, Shell, Python, SQL
Application	.NET 10, ASP.NET Core, Blazor, React, Next.js, Vite, Tauri, WPF, WinForms
Data & APIs	PostgreSQL, EF Core, Minimal APIs, REST, gRPC, SignalR, WebSocket, SSE
UI	Tailwind CSS, MudBlazor, Radix UI, shadcn/ui, Bootstrap, responsive design systems
Delivery	Docker, Compose, GHCR, GitHub Actions, Coolify, Portainer, Cloudflare, Azure, Google Cloud
Infrastructure	Proxmox, Linux, Traefik, Nginx, OPNsense, WireGuard, NetBird, MinIO, OpenMediaVault

SELECTED ENGINEERING TOOLS

WGPortalClient - WGClient - NetBird.Daemon.SDK - ManifestTool - TLFrontier launcher integration - WPF/Blazor templates - interactive Form Builder - YOLOv8/ONNX cheat detection prototype.