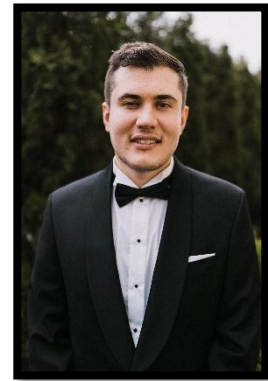# AIDAN LAW

SYSTEM ADMINISTRATOR
FULL-STACK DEVELOPER
IT OPERATIONS LEADER

ST. AUGUSTINE FL

✉ **AFL@AIDANLAW.XYZ** | ☎ **(815) 701-7775** | 🌐 **HTTPS://AIDANLAW.XYZ**

PROFESSIONAL SUMMARY

Strategic IT Systems Engineer & Full-Stack Developer with 10+ years' experience modernizing infrastructure, developing scalable tools, and leading end-to-end operations in healthcare, manufacturing, and SaaS environments.

EXPIERIENCE

Food Warming Equipment

IT Systems Analyst (Intern) → Lead Systems & Infrastructure Engineer
May 2015 – Jun 2017, Jul 2021 – Jan 2024

- Customized ERP workflows and reports using PHP, Ext JS, and SQL to enhance business operations.
- Promoted to full-time role-owning system administration and maintaining mission-critical internal applications.
- Elevated to oversee IT operations, assuming responsibility for its technology landscape.
- Led development of an in-house agile platform to streamline operations and mentored junior IT staff on modern development practices.
- Managed VMware vCenter, Active Directory, and core IT infrastructure to support 24/7 manufacturing operations.
- Maintained high-availability SQL Server and MySQL databases, optimizing performance and data integrity.
- Introduced Golang and Linux stack components into legacy systems, improving performance and modularity.

Alert Tubing Fabricators

IT Security & Compliance Engineer | 2018

- Engaged to support compliance with NIST 800-171, DFARS 252.204-7012, ISO9001, and AS9100D standards.
- Architected and implemented secure IT infrastructure to support DFARS, NIST 800-171, and ISO9001 compliance.
- Migrated ERP and internal applications to new infrastructure with zero downtime and enhanced scalability.
- Deployed robust access controls for safeguarding highly sensitive information and applications.

Sea Cow Ventures

Founder & Technical Lead | Oct 2021 – Present

- Founded the business, completing all essential documentation and contributing to finalizing the initial purchasing agreement
- Established and maintained proper accounting, legal, and management practices, ensuring timely compliance.
- Developed internal booking systems utilizing Golang and Twilio.
- Built full-stack booking system using Go and Twilio API, automating SMS alerts and reducing no-shows.
- Actively pursued and cultivated business leads, fostering impactful B2B relationships.

North Florida Surgeons

IT Operations Manager – Healthcare Infrastructure | Jan 2024 – Present

- Assisted the CTO in managing a large-healthcare IT practice.
- Delivered comprehensive IT support across clinical, admin, and operations teams in a 300+ employee practice.
- Oversaw EHR systems administration and optimization.
- Provided comprehensive hardware and infrastructure support to clinical teams.
- Designed and deployed HIPAA-compliant network infrastructure supporting multiple office locations and secure telehealth.
- Contributed to in-house software development and automation projects to improve efficiency.

Florida Eye Specialists

Technology Director – Clinical Systems & Infrastructure
Feb 2024 – Present

- Appointed by North Florida Surgeons to lead technology operations at Florida Eye Specialists, a major subsidiary practice.
- Led full-scale overhaul and modernization of IT infrastructure across all locations.
- Managed and maintained advanced ophthalmology equipment, including diagnostics and surgical systems.
- Collaborated closely with Chief Officers and medical providers to align technology with clinical workflows.
- Implemented HIPAA-compliant protocols, network segmentation, and encryption standards for all endpoints.
- Supervised and mentored junior IT technicians to ensure support and growth.
- Served as key liaison between clinical leadership and technical operations, translating business needs into effective IT solutions.

SELECTED PROJECTS

Homelab

- Designed and built a custom server rack featuring 10GbE networking and enterprise-grade performance.
- Deployed a custom OPNsense router managing VLANs, firewall policies, VPN tunnels, and intrusion prevention systems (IPS)
- Architected an advanced network topology with segmented VLANs for security and performance isolation.
- Implemented reverse proxy solutions to securely expose internal services with SSL and domain-based routing.
- Configured a Proxmox hypervisor hosting multiple VMs and containers, including a FreeNAS VM with 24TB of ZFS-backed storage
- Orchestrated a suite of Docker containers for home automation, media streaming, and internal services.
- Gained practical experience in network security, virtualization, containerization, and infrastructure as code.

Amada Laser Factory Integration

- Reverse-engineered and integrated helper software for the AIMS (AmadaMation System) within the AMS 3015 Factory Cell.

- Developed custom ERP modules within Made2Manage to export job and part data for precision cutting and nesting.
- Accounted for lead time, inventory levels, and part/job completion sequencing to optimize factory throughput.
- Implemented automated label printing workflows tied to new part outputs.
- Created monitoring services to interface with AIMS for material usage and system status reporting.
- Implemented comprehensive material tracking mechanisms, including cost, utilization, and waste analysis.

Alert Tubing Fabricators Audit
- Played a pivotal role in supporting ATF during the DFARS audit, contributing significantly to achieving a successful passing audit outcome.

Sea Cow Phone Management App
- Developed a full-stack communication management app using React (frontend) and Go (backend).
- Integrated with Twilio API to manage inbound/outbound phone calls and SMS between tour operators and customers.
- Implemented real-time push notifications using Web Workers and Web Push for timely communication alerts.
- Designed user-friendly interface to streamline message history, caller identification, and multi-agent support.
- Ensured reliable, scalable performance suitable for field use by mobile and desktop user.

Ipothecary
- Spun off from Florida Eye Specialists to launch a direct-to-consumer eye drop delivery service.
- Sole engineer and designer responsible for full platform architecture, UI/UX, and deployment.
- Designed and launched a direct-to-consumer e-commerce platform for medical eye care products. Integrated AI-driven marketing, secure checkout, chatbot support, and SEO for scalable DTC growth.
- Integrated AI-driven video marketing tools and automated chatbot support to enhance customer engagement.
- Implemented analytics, performance monitoring, and SEO best practices for scalable growth.

TECHNICAL SKILLS
Infrastructure: VMware, Proxmox, AD/GPO, DNS/DHCP, VLANs, OPNsense, Firewalls
Programming: Go, PHP, JavaScript, PowerShell, Bash
DevOps & Tools: Docker, Git, CI/CD, ZFS, SQL Server, MySQL, VS Code, Jira
Compliance: HIPAA, DFARS, NIST, ISO9001
Platforms: Linux (daily driver), Windows Server, MacOS
Soft Skills: Cross-team collaboration, Technical writing, Team mentoring