Aidan Law

I'm a passionate tech enthusiast with a knack for designing systems and diving into programming. Family holds a special place in my heart, I take immense pride in being a devoted husband and father. Cooking is one of my hobbies; I find joy in experimenting with different flavors and recipes. In my free time, I'm exploring the Polish language, driven by my fascination with diverse cultures, language, and my own relatives. When I'm not immersed in tech or language learning, you'll often find me out in Florida kayaking.

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WORK EXPERIENCE

Food Warming Equipment

IT Intern   May 2015

- Launched my career path straight out of high school, diving into IT and Agile software development.
- Gained expertise in PHP, Ext JS, SQL Server, and MySQL, forming a strong foundational knowledge base.
- Recognition for exceptional performance in AP Computer Science class led to a recommendation for the company role.

IT Technician   Jun 2017

- Transitioned into a full-time role following high school, assuming responsibility for specific systems and in-house agile software application development and extending our Made2Manage ERP.
- Specialized in application development using PHP and Ext JS, contributing to the enhancement of company software solutions

IT System Administrator   Jul 2021 - Now

- Elevated to oversee IT operations in the IL office, assuming responsibility for its technology landscape.
- Initiated and directed the development of an in-house agile software application, driving innovation.
- Administered the company-wide IT infrastructure, including VMware vCenter and Microsoft Active Directory.
- Oversight of Microsoft SQL Server and MySQL databases, ensuring their efficient management.
- Expanded the integration of Golang and Linux into various company applications, optimizing their functionality and performance.

Alert Tubing Fabricators

IT Security Consultant   Sep 2018

- Engaged to support compliance with NIST 800-171, DFARS 252.204-7012, ISO9001, and AS9100D standards.
- Spearheaded the design and construction of a cutting-edge company IT infrastructure.
- Orchestrated the seamless migration of ERP and internal applications to the newly established infrastructure.
- Deployed robust access controls for safeguarding highly sensitive information and applications.

Sea Cow Ventures

Owner   Oct 2021 - Now

- 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.
- Oversaw the management of the company website and Microsoft Office365 Infrastructure.
- Developed internal booking systems utilizing Golang and Twilio.
- Delivered exemplary customer service to clientele.
- Actively pursued and cultivated business leads, fostering impactful B2B relationships.

PROJECT

Opportunity Conference at MSOE   Winter 2014

- Represented my high school at the Milwaukee School of Engineering opportunity conference, competing in a challenging competition that assessed our team's problem-solving skills in computer science within strict time constraints.
- Utilized Java programming language to solve complex computational problems during the competition.

Homelab   2015 - Now

- Maintained a personal collection of diverse computers and servers, dedicated to exploring new technologies and pursuing personal interests.
- Hosted within a server rack are various setups, including a vSphere host managing Linux and Windows VMs.
- Configured a router running OPNsense with 10Gig Ethernet and SFP networking capabilities.
- Connected an HP D2600 External SAS array to the vSphere host, providing around 24TB of storage capacity managed through ZFS on TrueNAS.
- Integrated Raspberry Pi devices to manually manage the D2600's fan curve and monitor UPS status, ensuring a graceful shutdown in case of faults.

WYSE Computer Science Team Captain   2016-2017

- Served as the Computer Science team captain for our high school's participation in the Worldwide Youth in Science and Engineering program.
- Participated in various events where I tackled written computational problems using pseudocode and C++, showcasing proficiency in both problem-solving methodologies and programming languages.

Amada AMS 3015 Laser Factory Integration   2017

- Reverse-engineered and seamlessly integrated helper software for the AIMS (AmadaMation System) within the AMS 3015 Factory Cell.
- Developed software within our Made2Manage ERP system, enabling the export of job and part data for precise cutting and nesting processes. This included considering job lead time, existing inventory, and overseeing job/part completion steps. Implemented automated label printing alongside the newly cut parts, supported by various material and system monitoring services interacting with AIMS.
- Implemented comprehensive tracking mechanisms for materials, calculating and monitoring costs, utilization, and waste within the system. Code was crafted using Go, PHP, PowerShell, and JavaScript.

Alert Tubing Fabricators Audit   2018

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

Food Warming Equipment Cybersecurity Policy Compliance   Jul 2021

- Facilitated the implementation of a new cybersecurity insurance policy at the company by orchestrating system upgrades and fortifying security measures. Implemented stringent measures such as two-factor authentication and access controls to safeguard critical systems.

Sea Cow Ventures Booking Platform   Ongoing

- Developed streamlined tools to manage customer information and enhance marketing processes, prioritizing data regulation compliance. Integrated in-house software applications to optimize company operations and foster a more streamlined workflow.

Skills

- Linux Administration (I use Linux on my personal PC's daily)
- Windows Server Administration
- VMWare Administration
- Golang Software Development
- PHP Software Development
- JavaScript Software Development
- Shell Scripting (Bash and Powershell)
- SQLServer Database Administration
- MySQL Database Administration
- Docker and Linux Container Orchestration
- ERP Implementation and Business Logic
- Cyber Security Compliance Implementation
- Postfix Mail Server Administration
- Agile Software Development Methodology