

# Nick Herrig

Software Engineer

## About

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## Programming Languages

Python Go JavaScript

## Databases

Postgres SQLite

Supabase Pinecone

## Tooling

Linux Docker Ansible

Terraform Wireguard

Caddy/Nginx

Prometheus Grafana

Git Github Actions

Tailscale

## Models

YOLOv8 OpenAI CLIP

OpenAI GPT-4

OpenAI Embeddings

## Languages

English (Native speaker)

## Interests

Golf

Fishing

Health And Fitness

## Experience

Nebullam, Inc.  
Lead Software Engineer

01/2021 - Present

Nebullam Inc. is a Y-Combinator backed startup specializing in direct-to-consumer indoor farming. As Lead Software Engineer, I oversee the development and maintenance of software and hardware systems, collaborating with the CEO and CTO on technical strategy.

- Developed and deployed a computer vision application on a Nvidia Jetson, enabling data collection and analytics.
- Implemented a Slack bot using LangChain and OpenAI APIs for team engagement and adaptability to Large Language Models (LLMs), fostering a collaborative and tech-savvy work environment.
- Developed a Shopify store for subscription produce, generating \$250,000 in first-year revenue and expanding our direct-to-consumer market.
- Rapidly designed and deployed a tech stack for drive-thru restaurants, including IoT and POS systems, yielding \$650,000 projected first-year revenue and immediate profitability.

Principal Financial Group  
Software Engineer

07/2017 - 12/2020

- Increased iteration speed of Ansible development by introducing Molecule and Docker to the Linux infrastructure as code development process.
- Collaborated in designing company wide web infrastructure, enhancing system efficiency across various products and services.
- Played a key role in the IT Recruitment Committee, strategizing to attract and develop a pipeline of over 100 top-tier IT interns annually.

Midwest Beer Club  
Co-founder and COO

10/2015 - 10/2016

- Secured \$12,000 in startup funding through Cystarters, demonstrating persuasive pitch skills and strategic planning, essential for launching our business concept.
- Efficiently developed and launched a user-friendly beer subscription website within a 12-week program, demonstrating rapid project execution and technical expertise.
- Established partnerships with over 8 Iowa craft breweries, leveraging strong relationship-building and negotiation skills for successful business collaboration.

## Education

Iowa State University  
Bachelor of Engineering Industrial Engineering

01/2012 - 01/2017

## Volunteer

Kreative Horizon Hackathons  
Hackathon Judge

07/2023 - Present

As a judge, I provide guidance to participants in developing their technical skills and reward the most innovative and effective solutions.

Iowa State University Pappajohn Center for Entrepreneurship

01/2022 - Present

Pitch Competition Judge

As a judge, I combine my technical and business skillsets, offering insights to participants' pitches, selecting the most promising projects for startup funding.

