

Nick Gerancher

Skilled full stack software engineer with experience building and maintaining the frontend, backend, and deployments.

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EXPERIENCE

HomeHero, Louisville— *Software Engineer*

OCT 2019 - PRESENT

I am serving as a remote software engineer in a full time capacity at HomeHero. I started full time at HomeHero in August of 2020, and before that serving as a software engineering intern from October of 2019 to August of 2020. I work mostly in Go, building multi-threaded applications as well as building and maintaining microservices and apis but I also help design new database schemas and new microservices from the ground up. I also help maintain the frontend using Vue, Javascript, Typescript, and GraphQL. Working on our CI pipelines is another place I've recently started contributing more to by helping improve our deployments and improve our dockerization strategy. I have also helped manage and guide a software engineering intern build their first project with check in meetings, in-depth code review, and guidance around Go, which is our main language of choice.

Lehigh Career & Technical Institute, Schnecksville— *I.T Specialist Intern*

JUN 2018, 2019 - AUG 2018, 2019

As an I.T Specialist Intern, I assisted my co-workers in connecting and disconnecting computers and systems in school classrooms, installing software and imaging new computers, and wiring rooms for the internet and telephone.

EDUCATION

Lehigh Career & Technical Institute, Schnecksville— *High School Diploma*

AUG 2017 - JUN 2020

In addition to going to high school at my home school, Whitehall High School, I also attended LCTI. I joined the Web Design / Web Programming lab and learned tons of knowledge. I also take my normal classes here (English, Calculus, American Studies, etc)

PROJECTS - <https://github.com/nicklvsa>

GoPGRT— Go Postgres Real Time

GoPGRT is a golang library I am working on to enable and manage automatic postgres trigger registrations, and real time postgres updates via websockets. This takes advantage of plpgsql for writing procedures in postgres as well as triggers for enabling listening for database inserts, deletes, and updates.

<https://nicksdesk.com/gopgrt>

Fly Liberty— *Airline site I built my junior year of high school*

FlyLiberty was a website I worked on for a competition for my school during my junior year of high school.

SKILLS

Languages

Go, Javascript, Typescript, Python, PHP, NodeJS, SQL, HTML/CSS, SCSS, C, C++, Java

Frameworks, Libraries & Tools

Angular, Vue, JQuery, Express, F3, Mux, Postgres, Mysql, Websockets, Firebase, JSON, Git, Docker, Twilio, Jira, CircleCI, GitHub, AWS, RabbitMQ

AWARDS

National Honors Society - NHS is the national honors society - *Whitehall High School*.

National Technical Honors Society - NTHS is the national honors society (for technical high schools) - *Lehigh Career & Technical Institute*.

Penn College of Technology Competition - 1st at the Penn College of Technology web design competition.

PA Media and Design Competition 2019 - 2nd in the web design competition with my competitors.

2nd Place SkillsUSA 2018 - My competitor and I placed 2nd place at SkillsUSA states in the Web Design competition.

<https://flybylibertyair.com>

GitBoard— *Stream Deck / Git project management plugin*

GitBoard is an electron app I wrote to give myself quick Git actions like checking out, pushing, pulling, etc. When the project starts, you can select a project with Git initialized within it to manage.

<https://github.com/nicklvsa/GitBoard>

Gonerics— *Golang preprocessor to enable templates*

Gonerics is a golang preprocessor that enables C++ style templates. The syntax should be familiar to anyone who has used templates in C++. My goal with the project is to also enable templated structs.

<https://github.com/nicklvsa/Gonerics>

Dial Movers— *Phone dial pad controlled game*

Dial movers is a game I wrote utilizing a couple different technologies including Javascript, Vue, Go, Websockets, Twilio API, Vercel, and Digital Ocean. This game allows players to dial a phone number into their phone's dial pad, and control the game using some of the numbers on the game as a directional gamepad.

<https://github.com/nicklvsa/dialmovers>

webJect— *macSubstrate web interface and API.*

webJect is a web interface that is meant to run locally on a mac. It will give you a web frontend built using Angular which connects to it's backend which is written in Go. This will allow you to interact and manage tweaks installed using macSubstrate through a web portal.

<https://github.com/nicklvsa/webJect>

jsPtr— *A small, fun javascript library.*

jsPtr is a small proof of concept implemented mock "pointers" in javascript. This library allows you to define a variable that references some base variable. You can then pass the reference through functions and classes and will be able to modify the original value of the base variable.

<https://github.com/nicklvsa/jsptr>

Deno Covid Tracker— *A CLI tool to track covid19 by country.*

This project is a CLI tool that interacts with an API that provides real time covid19 data. It allows you to run a command and will use the Deno webview library to display the current covid19 stats for the country passed as an argument.

<https://github.com/nicklvsa/deno-covid-tracker>

