- 7194826959
- john.p.lukich@gmail.com

Full Stack Software Developer | Veteran | TS/SCI Clearance

- Colorado Springs, CO
- **in** linkedin.com/in/john-lukich/
- github.com/funksy/
- john-lukich.mooo.com

#### **TECHNICAL SKILLS**

Programming Languages | Python3, JavaScript ES6+, SQL, HTML5, CSS

System Design | Monoliths, Microservices, Domain-driven design, Message passing, Event sourcing

Back-End | FastAPI, Django 4, PostgreSQL, MongoDB, JWT, CI/CD

Front-End | React, Redux, Tailwind CSS, Bootstrap, Websockets

#### **RELEVANT PROJECTS**

# WebChat | https://github.com/funksy/WebChat

Apr '24

John Lukich

An online chat application featuring websockets, FastAPI, React, and MongoDB

- Engineered a real-time chat application in 6 weeks as part of a 4 person team, using WebSocket's to connect clients to a FastAPI backend.
- Designed all of the application's data models, composed database schemas, and persisted data to a selfhosted MongoDB server
- · Created Tailwind CSS styled UI to permit users to create accounts and chat in real-time using React backed with Redux. Created reducers for managing the list of messages, managing the list of active users, and managing the status of user (logged in or not)
- Integrated a JWT based authentication protocol to manage users and validate authentication status.

# CarCar | https://github.com/funksy/CarCar

Feb '24

An application for managing car dealership operations, featuring Django, React, and PostgreSQL

- Developed an application with one collaborator using Docker to implement a microservice architecture featuring 7 distinct services.
- I created 2 of the 3 featured API's using Django. My API's present 15 endpoints and use custom encoders to serialize and deserialize data
- Created a **Bootstrap** styled UI using **React** to allow an employee to perform manage vehicle inventory, vehicle sales, and vehicle service operations.
- Implemented PostgreSQL database. I developed the the schemas and relationships for 7 models

### Maze Generator and Solver | https://github.com/funksy/Mazes

Jan '24

An application for generating and solving mazes

- · Built a program using Python for generating and solving mazes, implementing Prim's algorithm, breadth first search, and depth first search
- Implemented a Pygame based visualization to illustrate the the creation and solving of a maze and to demonstrate the differences in the algorithms

## RECENT PROFESSIONAL EXPERIENCE

# United States Air Force | MSgt, Special Missions Flight Chief

Jul '21 - Nov '23

- Identified employee credentialing procedure oversight and resolved in 72 hours by recredentialing 138 personnel, preventing a service lapse on a \$96M contract
- Resolved a service outage affecting communications across the entire USCENTCOM theater. Led the response team of 25 to resolve the outage within 1 hour, restoring service to 32 military installations and protecting a facility valued at \$247M

# **Defense Intelligence Agency | MSgt, Operations Coordinator**

Jun '18 - Jul '21

- Facilitated the US President and Secretary of Defense visit to London by managing logistical coordination, diplomatic clearance requirements, & collaboration with 4 additional agencies within US Embassy London, resulting in a successful visit and the promotion of US foreign policy objectives
- Oversaw the Diplomatic Clearance program, processing travel requests for 2,700 aircraft and 5,800 personnel with the Hungarian government to enable travel to and through the territory of Hungary

#### **EDUCATION**

# Hack Reactor | Advanced Software Engineering Immersive Program

Nov '23 - Apr '24

• 19 week coding program, featuring Python, JavaScript and SQL training in an Agile environment. Project-based curriculum that included solo coding, pair programming, and team collaboration. Exposed to popular libraries such as Django, FastAPI, React, PostgreSQL, and MongoDB.

Community College of the Air Force | AS, Information Systems Technology

Feb '13

Community College of the Air Force | AS, Information Management

Jan '16