Topher Ludlow

Sacramento, CA | 916-505-0651 | topherludlow@protonmail.com
LinkedIn topherludlow | Github Topher2014 | Portfolio topherludlow.com

FULL STACK SOFTWARE ENGINEER

Software engineer experienced in Python with Flask and JavaScript based programming with an interest in opensource projects. Developed skills in communication, professionalism, and customer service through experience with the US Army National Guard and State of California. Eager to apply expertise for a demanding and challenging organization where I can grow my skills and become an indispensable asset..

TECHNICAL SKILLS

HTML, CSS, JavaScript XML, ReactJS, Python, Python Flask, MUI

TECHNICAL PROJECTS

TopherEmby - GitHub | topheremby.com
Web application to enable movie and television file request consolidation for administrators servicing user created group and friend networks in conjunction with programs like Emby, Plex, and Jellyfin
- Designed and implemented fullstack app using Python Flask, JavaScript XML, and MUI
- Worked across agile development lifecycle to build and maintain code
- Built a search feature to pull from IMDB API to streamline and consolidate user experience

Flat & Iron Abs - GitHub | Demo
Gym web application where trainers and customers can create accounts, add workouts to their schedule, and leave reviews
- Utilized agile development lifecycle in a virtual team environment to plan, implement, and sync workflow
- Implemented user verification using a password hash and Bcrypt
- Developed backend models using many-to-many relationships with Python to allow data sequestration
- Designed frontend components with React and CSS to fetch and render backend data

OnlyKyles - OnlyKyles | Demo
A CLI application made for an orphanage where adopters can create user accounts, view current and past adoptees, and adopt currently available adoptees
- Enacted data verification to ensure that only adoptees and adopters named "Kyle" could participate
- Tailored a lightweight CLI in Python to access backend data
- Employed SQLite and SQLAlchemy to test and manipulate data

RELEVANT EXPERIENCE

Emergency Medical Services Authority   Sacramento, CA
Travel Coordination Manager   December 2019-June 2021
- Maintained a 400-hour monthly work schedule to train and manage a three-member travel support team that facilitated the travel and lodging of entire agency
- Utilized CALATERS, Concur, FisCal, and several other systems management tools to initiate and execute bids, procurements, and contracts

United States Army National Guard   Sacramento, CA
Signal Support Systems Specialist   March 2009-April 2013
- Maintained radio and data distribution systems, battlefield signal systems, and terminal devices necessary for troop movement
- Performed signal support functions and technical assistance for local & wide area networks, computer systems, and terminal devices to allow communications

EDUCATION

Flatiron School   Sacramento, CA
Full Stack Web Development, Python with Flask and JavaScript program   December 2022-April 2023

Los Rios Community College   Sacramento, CA
16 hours of C++, HTML & CSS, and Algorithms Design and Implementation   Januar 2014-August 2014