

David Kerr

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[LinkedIn](#) | [Github](#) | [Blog](#)

Job Title

Full-Stack Software Engineer

TECHNICAL SKILLS

- Python (Flask), JavaScript (React), SQLAlchemy, RESTful API
- Team-building, problem-solving, resource management
- Fluent in English and Spanish

TECHNICAL PROJECTS

WebFilx - [Github](#) | [Link](#)

This project is my second full CRUD application, building on skills from my previous work. It features two user types: admins and customers. Admins can manage movies, reviews, and cart items, while customers can manage their reviews and cart items. Through this project, I gained experience with many-to-many relationships and the complexities of adding new tables. I also implemented user authentication, allowing new users to sign up and access the site only when logged in.

- Created Full CRUD app with admin and customer roles
- Developed RESTful API using Flask and SQLAlchemy; frontend with React
- Managed user sessions, hashed passwords, and serialized data

Looney Tunes - [Github](#) | [Link](#)

This project is my first full CRUD application, allowing users to add, edit, update, and delete artists, albums, and reviews. It was my initial experience building an API and integrating it with a React front end. Through this project, I learned about serialization, validations, constraints, and effectively connecting a React front end with a Flask backend.

- Developed Full CRUD app for artists, albums, reviews
- Built RESTful API with Flask, SQLAlchemy; frontend with React
- Acquired knowledge in serialization, validations, and constraints

CLI Artist and Album Project - [Github](#)

This application enables users to navigate the CLI to manipulate database data, including getting, adding, patching, and deleting artists and albums. Through this project, I gained proficiency in Python, SQL, and ORM, deepening my understanding of database operations and data population.

- Designed a CLI app to manipulate database data
- Utilized Python, SQLite, ORM, and Rich for UI
- Learned database relationships, SQLAlchemy

EXPERIENCE

Chattanooga Fire Department

FireFighter

Chattanooga, TN

04/2018 - 12/2023

- Responded to emergency medical calls, structure fires, and technical rescues (rope, confined space, entrapment).
- Maintained proficiency through ongoing education in updated medical, rescue, and firefighting techniques.
- Operated fire apparatus (driving to calls, pump operations, ladder operations for multi-story rescues).

Orange County Fire Rescue

FireFighter

Orlando, FL

12/2015 - 04/2018

- Responded to emergency medical calls, structure fires, and technical rescues (rope, confined space, entrapment).
- Maintained proficiency through ongoing education in updated medical, rescue, and firefighting techniques.
- Operated fire apparatus (driving to calls, pump operations, ladder operations for multi-story rescues).
- Operated ambulances (driving to medical calls, ensuring safe and timely patient transport).
- Complied with HIPAA by writing required reports.

EDUCATION

Flatiron School

Full Stack Web Development, Python with Flask and JavaScript program

New York, NY

01/2024 - 05/2024

Valencia School of Public Safety

Fire Standards I & II, Wildland Firefighting, Rope Rescue Technician, Emergency Medical Technician

Orlando, FL

11/2015- 08/2016