



David Kerr

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Summary

Driven by a passion for problem-solving and continuous improvement, I transitioned from a 9-year career as a firefighter to software engineering. My background in high-pressure, team-oriented environments has honed my ability to approach challenges with resilience and precision. With expertise in JavaScript, React, Python, Flask, SQLAlchemy, and PostgreSQL, I bring a strong foundation in full-stack development and a unique perspective on teamwork, leadership, and critical thinking. I'm eager to leverage my technology skills to build solutions that make a meaningful impact.

Professional Profiles

[Personal Portfolio](#) | [LinkedIn](#) | [GitHub](#)

Skills

JavaScript, Python, React, Flask, SQLAlchemy, Git, RESTful API's, HTML5, CSS3, PostgreSQL

Core Competencies

- **Problem-Solving Under Pressure:** Quickly diagnose and resolve issues in high-stress situations, a skill honed through emergency response.
 - **Team Collaboration and Leadership:** Strong teamwork and leadership skills from coordinating life-saving operations, directly applicable to managing software projects.
 - **Adaptability and Quick Learning:** Rapidly adapt to new tools and technologies, similar to adjusting to unpredictable firefighting scenarios.
 - **Attention to Detail:** Precision in assessing emergencies translates to writing clean, maintainable code and ensuring software quality.
 - **Resilience and Persistence:** Overcome challenges with a determined, solution-focused approach, essential for tackling tough bugs and optimizing performance.
 - **Continuous Improvement:** Dedicated to ongoing learning and improvement, both in emergency response and software development practices.
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Languages

English, Spanish

Projects

WebFilx - <https://webflix-frontend.vercel.app/>

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 a 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 - <https://github.com/Dkerr2061/phase-4-capstone-project>

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 - <https://github.com/Dkerr2061/phase-3-modded-capstone>

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

Experience

Firefighter/Emergency Medical Technician

Chattanooga Fire Department • Chattanooga, TN

04/2018 - 12/2023

- Collaborated with fellow firefighters and emergency responders to execute efficient firefighting and rescue operations, minimizing property damage and saving lives.
- Operated and maintained a variety of firefighting vehicles and specialized equipment, ensuring optimal readiness through regular training and drills.
- Provided first aid to victims and trained new firefighters on safety protocols and equipment usage.
- Evaluated emergency situations to implement effective life-saving strategies and contributed to multi-agency responses.
- Engaged in continuous professional development and community education on fire safety, while participating in post-incident analyses to improve procedures.

Firefighter/Emergency Medical Technician

Orange County Fire Rescue Department • Orlando, FL

12/2015 - 04/2018

- Responded to emergency medical calls, performing life-saving procedures such as CPR and first aid, while documenting incidents in compliance with HIPAA.
- Collaborated with fellow firefighters and emergency responders to execute efficient firefighting and rescue operations, minimizing property damage and saving lives.
- Operated and maintained firefighting vehicles and specialized equipment, ensuring readiness through regular training and drills.
- Evaluated emergency situations to implement effective strategies, contributing to positive outcomes during multi-agency responses.
- Educated the community on fire safety and engaged in continuous professional development, participating in post-incident analyses to improve procedures.

Education

Software Engineering

Flatiron School

05/2024

Fire Standards I & II, EMT

Valencia School of Public Safety • Orlando, FL

