

David Kerr

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Orlando, FL

Summary

Versatile Software Engineer with expertise in React, TypeScript, JavaScript, and Python. Skilled in developing full-stack applications, with a focus on user-centric design, code quality, and scalability. Experience includes designing and implementing RESTful APIs, collaborating in Agile teams, and deploying applications in production environments. Demonstrated ability to handle web development tasks such as optimizing performance and working with SQL databases. Strong problem-solving and communication skills honed through high-pressure experience as a firefighter.

Professional Profiles

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

Technical Skills

- **Frontend Development:** React, TypeScript, JavaScript, HTML5, CSS3, Tailwind CSS
 - **Backend Development:** Python, Flask, SQLAlchemy, RESTful APIs
 - **Databases:** PostgreSQL, MySQL, SQLite
 - **Tools & Deployment:** Postman, GitHub, Vercel
 - **Other Skills:** Agile Methodologies, Debugging, Cross-Platform Development
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Core Competencies

- **Web Development:** Experience building responsive, user-friendly web applications with a focus on scalability and performance optimization.
 - **API Development:** Proficient in designing and implementing RESTful APIs with Python and Flask, ensuring efficient data handling and secure interactions.
 - **Database Management:** Skilled in managing SQL databases (PostgreSQL, MySQL, SQLite), performing CRUD operations, and using ORMs like SQLAlchemy for efficient database interactions.
 - **Collaboration:** Strong communicator with experience working in Agile teams, ensuring project goals are met with high-quality deliverables.
 - **Problem-solving:** Proven ability to analyze complex requirements and deliver scalable, efficient solutions.
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Projects

GearHeadz

Technologies: Astro, React, Tailwind CSS, JavaScript

- Developed a blog platform integrating static and dynamic components for a modern, responsive design.
- Focused on creating a seamless user experience across various browsers and devices.

RESTful API

Technologies: Python, Flask, SQLAlchemy

- Designed and implemented a scalable API backend to support front-end applications, managing data efficiently.
- Focused on secure and optimized CRUD operations using SQLAlchemy and Flask.

Looney Tunes

Technologies: React, Flask, SQLAlchemy

- Designed a CRUD application integrating a Flask backend and React frontend, focusing on data serialization and validation.
- Optimized database queries and ensured data integrity for a smooth user experience.

WebFlix

Technologies: React, Flask, SQLAlchemy

- Created a multi-user platform with authentication and CRUD operations, ensuring high performance and responsiveness.

CLI Artist and Album Project

Technologies: Python, SQLite

- Developed a CLI tool for manipulating SQLite database records, practicing ORM and CRUD operations.

Hackathon Project – Community Land Trusts App

Technologies: React, JavaScript, TypeScript, C#

- Built a React frontend integrated with an API to deliver data on housing affordability, focusing on performance optimization and efficient data handling.

Experience

Full Stack Developer

Self-Initiated Projects • Orlando, FL

05/2024 - Present

- Developed scalable web applications, integrating React and TypeScript for intuitive user interfaces and Flask for back-end APIs.
- Built RESTful APIs with Python and SQLAlchemy, focusing on secure, efficient data handling and validation.
- Enhanced application usability and accessibility by collaborating with Agile teams, incorporating user feedback to refine features.
- Deployed and maintained applications on Vercel, resolving challenges to ensure smooth production readiness.

Firefighter/Emergency Medical Technician

Chattanooga Fire Department • Chattanooga, TN

04/2018 - 12/2023

- Evaluated high-pressure scenarios, implementing effective strategies to save lives and protect property.
- Operated and maintained specialized vehicles and equipment, ensuring peak operational readiness.
- Enhanced team collaboration and communication in multi-agency emergency responses.

Firefighter/Emergency Medical Technician

Orange County Fire Rescue Department • Orlando, FL

12/2015 - 04/2018

- Evaluated high-pressure scenarios, implementing effective strategies to save lives and protect property.
- Operated and maintained specialized vehicles and equipment, ensuring peak operational readiness.
- Enhanced team collaboration and communication in multi-agency emergency responses.
- Delivered critical medical care under pressure while documenting incidents in compliance with regulatory standards.
- Educated the community on safety, fostering trust and preparedness.

Education

Software Engineering

Flatiron School

05/2024

- Focused on building full-stack applications, developing RESTful APIs, and integrating ORMs with React and Flask.
- Emphasis on writing clean, maintainable code and collaborating with peers in an agile environment.

Fire Standards I & II, EMT

Valencia School of Public Safety • Orlando, FL

08/2016