David Kerr

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Orlando, FL

Summary

Versatile Full-Stack Developer with expertise in building dynamic, user-centric web applications using modern front-end technologies like React, TypeScript, and Tailwind CSS, combined with back-end technologies like Python with frameworks like Flask and SQLAlchemy. Proficient in developing RESTful APIs, implementing scalable database solutions, and delivering seamless integrations between client and server-side architectures. Passionate about solving complex challenges and creating performant, maintainable solutions for diverse users.

Professional Profiles

Personal Portfolio | LinkedIn | GitHub

Technical Skills

- **Programming Languages**: Python, JavaScript, TypeScript
- **Frontend Development**: React, Astro.js, HTML5, CSS3, Tailwind CSS
- **Backend Development**: Flask, SQLAlchemy, RESTful APIs
- **Web Scraping**: Scrapy, BeautifulSoup
- **Databases**: PostgreSQL, MySQL, SQLite
- **Tools & Deployment**: Git, Vercel, Postman
- **Core Competencies**: Debugging, Performance Optimization, Data Management

Core Competencies

- **Full-Stack Development:** Proficient in building scalable applications from front-end interfaces to robust back-end systems.
- **Frontend Expertise:** Skilled in creating responsive, user-friendly interfaces with React, TypeScript, and modern CSS frameworks like Tailwind CSS.
- **Backend Development:** Experienced in designing and implementing secure, efficient RESTful APIs using Flask and SQLAlchemy.
- **Data Management:** Adept at database design and optimization with PostgreSQL, MySQL, and SQLite.
- **Problem Solving:** Expertise in debugging, performance optimization, and delivering scalable, maintainable solutions.
- **Collaboration:** Strong communicator with a proven track record of teamwork in fast-paced environments.
- **Technical Adaptability:** Quickly learning and applying new technologies to meet evolving project needs.

Projects

- **GearHeadz**
  Technologies: Astro, React, Tailwind CSS, JavaScript
  Developed a blog platform integrating static and dynamic components for a responsive design. Delivered optimized performance and a seamless user experience across devices.
- **Custom RESTful API**
  Technologies: Python, Flask, SQLAlchemy, PostgreSQL
  Designed a scalable API backend with secure CRUD operations. Focused on efficient data handling and integration with front-end systems.
- **Looney Tunes**
  Technologies: React, Flask, SQLAlchemy
  Built a CRUD application with a robust backend and user-friendly React frontend. Ensured optimal database interactions and data integrity.
- **WebFlix**
  Technologies: React, Flask, SQLAlchemy

Created a multi-user platform with authentication, CRUD operations, and efficient database design. Focused on performance and scalability.

- **Hackathon Project: Community Land Trusts App**
  Technologies: React, TypeScript, JavaScript
  Built a React frontend integrated with APIs to deliver data on housing affordability. Optimized performance and implemented efficient data handling.

Experience

Full Stack Developer

Self-Initiated Projects • Orlando, FL
05/2024 - Present

- Built responsive front-end applications with React, TypeScript, and Tailwind CSS.
- Designed and implemented features to support intuitive user interfaces for diverse audiences.
- Integrated front-end applications with RESTful APIs to deliver dynamic, real-time data.
- Collaborated with team members to refine features and improve application performance.

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