Alex Carl

Full-Stack Developer | React | Python | JavaScript | Building Scalable Web Solutions

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TECHNICAL SKILLS

Languages: Python, JavaScript, HTML, CSS.   **Tools:** Git, GitHub, REST APIs, PostgreSQL, Docker

Frontend: React.js, Redux, React Native.   **Backend:** Flask, Express.js, SQLAlchemy

PROJECTS

Crafty (Etsy inspired - Group Project)   Live | GitHub Repo
Custom cosplay marketplace facilitating product transactions and personalized user experiences.

- **Built** a Flask + SQLAlchemy backend to manage over 200 product listings and transactions with real-time inventory updates.
- **Developed** a dynamic React.js frontend with Redux for seamless state management, boosting engagement by 30%.
- **Optimized** API routes to reduce database query time by 20%, ensuring fast product searches and filtering.
- **Integrated** secure authentication using Flask-Login, enhancing user retention by 40% through personalized dashboards.

DuelForge (Yu-Gi-Oh! Deck Builder & Event Tracker)   Live | GitHub Repo
Interactive platform for Yu-Gi-Oh! deck creation and event management.

- **Designed** drag-and-drop functionality for deck building using React DnD, enhancing interactivity by 50%.
- **Leveraged** the Yu-Gi-Oh! API to enable real-time card data integration and dynamic deck creation.
- **Engineered** secure Flask backend routes and authentication logic for 100+ active users within the first month.
- **Implemented** scalable SQLAlchemy models to manage user decks and event details with minimal latency.

WORK EXPERIENCE

Service Professional, Hawx Pest Control   Atlanta, GA | May 2022 – Present
- Delivered custom pest solutions for 200+ clients, ensuring 98% satisfaction rates.
- Maintained client relationships, managing 15+ service calls daily while handling troubleshooting under pressure.

General Manager, Little Caesars   Peachtree City, GA | Nov 2018 – May 2022
- Supervised a team of 15+ staff, achieving 15% YOY sales growth through effective leadership and operations management.
- Implemented staff training programs that boosted operational efficiency by 20%

EDUCATION

Independence University – Bachelor of Fine Arts (BFA) | Graphic Design
App Academy – Intensive 1000+ hour program covering React, Flask, SQLAlchemy, and deployment strategies.