

JULIA DUNCAN

Software Developer

Contact

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Links

Goalbloom
goalbloom.onrender.com/

niche.
niche-mfjc.onrender.com/m/

Skills

Application Development · Web Development · Front-End Development · Back-End Development · System Design · Software System Architectures · User Experience (UX) Design · Database Applications · Database Querying · Database Development · Data Mapping · Data Migration · Object-Oriented Programming (OOP) · Application Programming Interface (API) · API Testing · Code Review · Unit Testing · Database Testing · Debugging Code · Troubleshooting · Wireframes · Project Management · Leadership + Management · Hiring · Scheduling · Employee Training · Agile/Scrum · GIT · PHP · AWS · Microsoft Azure

Projects

Goalbloom

Nov '24

github.com/JuliaTDunc/Goalbloom · Python | Express | React | Redux | An educational budgeting app, designed for anyone looking to gain financial literacy.

- Integrated Flask extensions with Python to streamline functionality like authentication, database operations, and API request handling.
- Leveraged Redux for state management, synchronizing user inputs, transaction updates, and visualization components across the app.
- Incorporated React Highcharts on the frontend to create auto-updating graphs to visualize data.
- Designed and implemented RESTful APIs to facilitate communication between the frontend and backend, for data management, user authentication, and updates.

Niche

Aug '24

github.com/vinob09/niche · Python | Flask | Flask-WTF | SQLAlchemy | React | Alembic | Docker | Gunicorn | An e-commerce site, built to mimic Etsy. Fully equipped with search, and shopping cart functionality.

- Developed backend forms and validations using Flask-WTF to ensure data integrity during interactions, management of shopping cart, and favorites.
- Implemented an asynchronous search bar using AsyncTypeahead, enabling dynamic autofill with filtered results.

stayBnb

Jun '24

github.com/JuliaTDunc/1-AirBnb · PostgreSQL | SQL | SQLite | MySQL | Javascript | Node.js | HTML | CSS | A project made to mimic the functionality of AirBnb, giving users the ability to browse and book with ease.

- Applied CSRF protection across routes to secure data transmission and safeguard against cross-site request forgery attacks.
- Built and seeded the database with PostgreSQL, Sequelize, and bcrypt.js, securely hashing sensitive user data and generating sample datasets for testing and development.
- Designed and implemented robust API routes using Express, enabling seamless CRUD operations for user bookings, properties, and reviews while ensuring data integrity with Express Validator.

Education

App Academy | Certificate

Computer Science & Programming · Graduation: Oct '24

Graduated with a strong foundation in coding, problem-solving, and data management, researching syntax, creating algorithms, and implementing both front-end and back-end development solutions. Gained proficiency in server architecture, responsive design principles, and data manipulation.

Work Experience

Assistant Manager

Jan '20 - Jan '24

Honey Birdette · San Diego, CA

- Increased Average Transaction Value by 12% over 2023.
- Increased Units Per Transaction conversion from 2.5 to 3.2.
- Reduced weekly labor hours by 8% improving overall efficiency for a team up to 15.

Assistant Manager

Nov '15 - Dec '20

Champs Sports · National City, CA

- Increased store loyalty enrollment program to 85%.
- Increased store conversion from 10% to 16%.
- Decreased 5-10 hours for every week compared to LY