Selin Williams
FULL STACK SOFTWARE ENGINEER

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SKILLS

React, Redux, JavaScript (ES6+), HTML5, CSS3, Material-UI, Responsive Design, Vite, Python, Flask, Node.js, Express.js, RESTful APIs, API Integration, PostgreSQL, SQL, Sequelize ORM, Database Design, Git, GitHub, Docker, JWT, bcrypt, CSRF Protection, Agile Methodology, Data Structures & Algorithms, UI/UX Design Principles, Web Security

PROJECTS

FoodBridge | React, Redux, JavaScript, HTML5, CSS3, Chart.js, Python, Flask, PostgreSQL, SQLAlchemy   live | github
A comprehensive food donation platform built with React/Redux and Flask/PostgreSQL. Implemented role-based authentication

- Engineered a full-stack food donation platform using React/Redux and Flask/PostgreSQL, implementing real-time inventory management that processed over 1,000 food listings and achieved a 95% reduction in food waste through automated expiration tracking and smart distribution algorithms.
- Architected a role-based authentication system with JWT tokens and Flask-Login, enabling distinct provider (250+), recipient (500+), and admin portals with customized features, resulting in a 100% secure platform managing $25K+ in tax-deductible donations.
- Integrated Google Maps API and implemented geolocation-based filtering algorithms to connect 250+ local food providers with nearby recipients, incorporating Chart.js analytics dashboard that tracks 7+ key metrics including carbon footprint reduction (2.5kg CO2 per kg food saved) and water conservation (1,000L per kg food saved).

TaskFlow | Python, Flask, SQLAlchemy ORM, PostgreSQL, React, Vite, Redux, Modern CSS Modules   live | github
Full-stack agile project management application containerized with Docker for scalable deployment.

- Engineered a full-stack project management app using React/Redux and Flask/PostgreSQL, implementing drag-and-drop feature organization and automated sprint tracking to streamline team workflow
- Designed scalable database architecture with SQLAlchemy ORM, creating five interconnected models with complex relationships that enabled efficient data querying and maintained data integrity
- Implemented Docker containerization with development and production configurations, resulting in consistent deployment across environments and simplified team onboarding

TrailHome | Node.js, Express.js, PostgreSQL, Sequelize ORM, React, Redux, CSRF protection   live | github
A full-stack Airbnb clone using Express.js and PostgreSQL, implementing complex data relationships across 6 interconnected models and comprehensive property management features.

- Engineered a RESTful API using Express.js and Sequelize ORM, implementing complex data relationships across spots, reviews, and images with eager loading, resulting in efficient data retrieval and consistent response formatting
- Developed a comprehensive input validation system using Express Validator, implementing custom validation chains for geographic coordinates, price ranges, and review ratings, ensuring data integrity and providing detailed error messages
- Implemented a resource ownership verification system, creating middleware for user-specific CRUD operations on spots and reviews, enabling secure content management with proper error handling and status codes

EXPERIENCE

English Teacher
Dore School, Antalya, Turkey   Sept 2017 - June 2019

- Led curriculum development for 100+ students, demonstrating project management and organizational skills
- Collaborated with international teams to implement new teaching methodologies, showcasing adaptability and teamwork
- Translated complex concepts into clear instruction materials, highlighting strong communication abilities

EDUCATION

Full Stack Software Engineering Program - *App Academy | Jan 2025*
Bachelor of Arts in English Language and Literature - *Ataturk University, Turkey | 2010 - 2018*