

# Daniel Rotstein

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## Technical Skills

**Programming:** Python 3, ES6+, HTML5, CSS, SQL

**System Design:** REST API's, Monoliths, Microservices, Domain-driven design, Message passing

**Back-End:** Django 4, FastAPI, SQLite, PostgreSQL, MongoDB, RabbitMQ

**Front-End:** React, React-Bootstrap, DOM manipulation, Redux, Websockets

**Tooling:** Git, Docker, Insomnia, Heroku

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## Application Development Experience

**ExpenseBook** | *Full stack developer* / [expensebook](#) | **Tech Stack**

2022

- Built a full-stack travel budgeting application utilizing **PostgreSQL**, designed for high performance and a user friendly experience via **FastAPI** and **React**, completed in a team of five developers.
- Utilized **Redux** to manage state in a single place then maintain and reuse the data across the app.
- Created a currency converter using **React Hooks** to calculate any currency fetched via a 3rd party API.
- Used tokens to authenticate user accounts improving personalization, privacy, and security.

**CarCar** | *Full stack developer* / [carcar](#) | **Tech Stack**

2022

- Developed a full-stack automotive dealership application on a two person team by utilizing **Django**, **REST APIs** and **React** to provide the user a friendly and complete way to track inventory, services and sales.
- Built a search feature to the service microservice using **React Hooks** for users to filter past appointments.
- Utilized **PostgreSQL** database to store and retrieve data, applying the latest domain-driven design principles to create microservices running in **Docker** and polling for live updates.
- Engineered a feature for users to manage appointments by canceling or marking them as completed.

**My World** | *Full stack developer* / [my-world](#) | **Tech Stack**

2022

- Designed a full-stack hobbies and interests app using **Python**, **Django**, **SQLite** and **CSS** that provides an intuitive way for users to manage their interests.
  - Dynamic front-end user interface using server side rendering, allowing authenticated users to easily add/remove tasks from their ToDo Lists, including interactive navbar and external links.
  - Implemented user authentication for greater admin role capabilities and security.
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## Professional Experience

**Project Administrator** | Luminalt, San Francisco

2018-2019

- Oversaw end-to-end project support of solar panel installations for commercial and residential customers.
- Responsible for managing client satisfaction and directing communications across internal and external channels with install teams.
- Facilitated coordination of installation requirements and updates with Project Managers, Design Teams, and local Building Developers ensuring projects are finished in a timely manner.

**Triage & Dispatch Coordinator** | *Touring Club, Switzerland*

2014-2017

- Triage incoming phone calls from clients requesting emergency roadside assistance across Europe.
  - Coordinated and dispatched towing services, repair locations, accommodations and alternate modes of transportation, while providing total support to clients.
  - Organized complex cross-country services and communications in multiple languages while applying a strong knowledge of international geography and roadway systems.
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## Education

**Hack Reactor**, *Software Engineering Immersive*

2022

**UBS AG**, *Swiss Internship Program for Banking Management*

2002-2005

- National program to provide qualified students early professional experience and training
- Focus: Leadership and communication, prioritization, and planning, building network