

DANIEL SOMOROV

FULL STACK SOFTWARE ENGINEER

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Languages: 7yr: Python 4yr: JavaScript, Java 1yr: TypeScript, C#, HTML, CSS, SQL

Frameworks/Tools: React, NextJS, Redux, Express, Sequelize, NodeJS, SocketIO, Flask, SQLAlchemy, MySQL, PostgreSQL, Linux, GitHub, AWS, Tailwind, Zod, Zustand

Key Skills: Full Stack Development, Object-Oriented Programming (OOP), Test-Driven Development (TDD), Team Leader, Communication, Database Management, Web Design, Problem Solving, Quick Learner, Analytical

EDUCATION

Full Stack Software Engineer ■ *App Academy Bootcamp* | Online Feb 2023 - Aug 2023

Master of Energy Systems ■ *Northeastern University* | Boston, MA Jan 2020 - Dec 2021

Bachelor of Physics, Bachelor of Chemistry ■ *Grinnell College* | Grinnell, IA Aug 2015 - May 2019

PROJECT EXPERIENCE

DoodleConnect | NextJS | TypeScript | MongoDB | Tailwind CSS | Zustand | Shadcn/ui [Github](#) ■ [Live](#)

- Authenticated users through the Clerk platform for simpler user management and security.
- Incorporated LiveKit and PartyKit open-source SDKs for websocket servers and webRTC live video and audio streaming.
- Employed tailwind styling and the shadcn/ui component library to develop a visually appealing, modern design.

Super Treats | React | Redux | Flask | AWS | SQLAlchemy | PostgreSQL | Javascript | Python [Github](#) ■ [Live](#)

- Built an eCommerce site with multiple carts and intuitive UI for an organized and straightforward user experience.
- Utilized **AWS S3** buckets with the boto3 aws-sdk for a scalable image upload and storage system.
- Carefully considered specialized **React** components and **Redux** state to seamlessly and unobtrusively update web pages.
- Defined utility **CSS** classes for frequently used styles to simplify the **frontend** workflow.

Concord | React | Redux | Flask | SQLAlchemy | SocketIO | PostgreSQL | Javascript | Python [Github](#) ■ [Live](#)

- Collaboratively planned, programmed, and documented and fully functioning Discord clone within one week utilizing principles of **pair programming** and a **git** workflow.
- Implemented **WebSockets** to enable instant communications within servers and direct messages between users.
- Created an intuitive **backend** API using **Flask** and **SQLAlchemy** which was regularly tested with Postman.

Cultivate | React | Redux | Express | Sequelize | AWS | PostgreSQL | Javascript [Github](#) ■ [Live](#)

- Created models of database tables and defined scopes for common queries with **Sequelize** ORM.
- Performed request validation and authorization through **Express** middleware on the backend.

WORK EXPERIENCE

Research Engineer | *Katz Water Technologies* | Houston, TX May 2021 - Feb 2023

- Project lead for assembly, testing, and analysis of solar and gas powered thermal distillation units.
- Managed daily tasks, testing procedures, and data collection protocols for the rest of the team.
- Met with business collaborators to discuss progress, set milestones, and strategize solutions.
- Prepared technical descriptions of system components, operations, hazards, and troubleshooting as part of larger grant and partnership proposals that brought in over \$1M.
- Provided research literature and calculations to grant proposals and funding applications.
- Programmed system automation via PLCs, data analysis / visualizations, and Arduino sensor devices.

Legal Clerk | *Halmagean PLLC* | Houston, TX May 2019 - Nov 2019

- Quickly mastered simple legal paperwork to relieve duties from overworked senior staff.
- Supported team by solving a wide range of administrative and technology related problems.
- Multi-tasked responsibilities in a fast-paced and short-handed office environment.

