Joshua Kaplan

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SKILLS

TypeScript, HTML, CSS, SQL, React.js, Redux, Python, Next.js, React-Native

WORK EXPERIENCE

Syndata   **Mar 2025 - Present**
Developer

- Built the Drive page and core UI components (Accounts page, Settings modal, Sidebar) in React (Ant Design/Tailwind), iterating through trunk-based code reviews
- Defined OpenAPI-driven REST routes with FastAPI controllers, SQLAlchemy ORM models, and Alembic migrations.
- Collaborated with a small team using Jira and Slack in an Agile environment to iterate quickly on UI/UX feedback and meet sprint goals
- Re-architected Redux to cleanly separate global vs. project-specific slices, enabling intuitive loading and seamless context switching

University of Connecticut   **Aug 2024 - Dec 2024**
Teaching Assistant   *Storrs, CT*

- Collaborated with faculty and fellow TAs to refine curriculum and ensure student success
- Supported 100+ students in mastering C++ and object-oriented programming through personalized instruction and debugging help
- Held weekly office hours, created learning resources, and guided students through coding assignments.

iD Tech Camps   **Jun 2023 - Aug 2023**
Counselor, Teacher   *Middletown, CT*

- Effectively communicated and organized camp procedures to ensure safety of over 40 campers
- Provided 1-on-1 debugging support and led hands-on coding sessions that increased student engagement
- Taught Java and object-oriented programming using Minecraft Forge mods to middle and high school students

PROJECTS

Husky Trails
Lead Developer

- Developed a cross-platform navigation app in React Native & Expo, integrating MapLibre GL Native for high-performance OSM vector-tile rendering, animated zoom/pan transitions, and real-time marker updates.
- Architected a modular, component-driven frontend, creating 15+ reusable TypeScript components (e.g. CustomSearchBar, SearchModal, UConnMap) and custom hooks (useRouteSearch, useLiveNetworkState) to encapsulate complex UI and data-flow logic.
- Engineered dynamic search & filter workflows, implementing fuzzy-search modals, filter buttons, and draggable menus with live query updates and conditional rendering across searchMode, routeMode, and trackingMode
- Enhanced UX resilience and maintainability, adding an OfflineScreen fallback, integrating Expo's SafeAreaProvider and React Native Paper theming, translating Figma mockups into responsive layouts, and organizing the codebase into clear feature folders

Reciep Creator Website

- Built a full-stack recipe management app using the MERN stack (MongoDB Atlas, Express, React, and Node.js) with TypeScript for type safety and maintainability
- Implemented user authentication and authorization with Auth0, enabling secure login, signup, and protected routes
- Used react-hook-form to manage and validate dynamic user inputs for recipe creation and editing, improving form usability and performance
- Developed a RESTful backend in Node.js to handle user data, and recipe storage with MongoDB Atlas

CLI App Launcher

- Developed a CLI tool that launches and stores executables/shortcuts by custom keyword
- Used Clap and Serde-JSON to parse CLI arguments and manage config files

EDUCATION

University of Connecticut   **Aug 2021 - May 2025**
Bachelor of Science in Engineering, Computer Science and Engineering, Mathematics Minor