

Dan Purcell

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Full-stack software engineer with experience in leading high-performance teams in fluid environments. Passionate about teamwork and driving results through [Agile](#) values and principles.

Technical Skills

Node, TypeScript, React, Redux, NextJS, ExpressJS, Python, Flask, SQLAlchemy, Sequelize, Docker, Playwright, Pandas, Jupyter Notebooks, React Testing Library, SQL, Material-UI, TailwindCSS, Agile

Experience

Front-End Developer [Choose Health](#)

Jan 2024 - April 2024

- Contracted to upgrade client portal from dated HeliumJS framework to modern front-end technologies built on React. Expanded the web app with additional views, incorporated mobile device support, implemented updated designs and added new features.
- Employed NextJS 14 with React-Query for site performance, Material-UI for modern style implementation, and Stripe integration for transaction safety and ease of use.
- Leveraged MUI X advanced components to chart and visualize historical health data in a user-friendly format.
- Targeted and delivered 1 second page loads despite heavy API data requirements, allowing near-instant data visualization throughout the web app. Snappy and responsive UI on desktop and mobile devices was achieved through NextJS server components and optimization of async server state through React-Query.
- Coordinated with leadership and managed sprint objectives, keeping backend, frontend and design teams aligned through development sprints.

Lead Instructor [App Academy](#)

2022 - 2024

- Managed a team of 4 developers as the Lead Instructor and Lecturer of the 24 Week Full-Time Program's Node/React/Redux full-stack module.
- Led the design and implementation of automation for collecting Module's recurring cohort project data. Reduced legacy process lead time by over 90% and set a new standard in Module's operational efficiency.
- Created React technical interviews to enhance Module's staff on-boarding process and maintain team standards of high performance and productivity.
- Significantly advanced the Module's curriculum, focusing on in-depth understanding of React Hooks and debugging skills, raising the skill threshold of student developers and transforming student experience.
- Led efforts to develop initial stages of automating end-to-end testing for cohort project websites using Playwright to further improve Module outcomes and testing efficiency.

EDUCATION

AppAcademy - *Completion certificate, 960 hr Software Engineering Track: Full-Time, 2021.*
Hyles-Anderson College - *BS Theology, 2009-2013*

References Available Upon Request