Nathaniel J. Liberty
// Software Developer

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Profile

A driven software developer using JavaScript and web technologies to build creative solutions for the healthcare industry and more. Reduced time needed for monthly hospital-wide controlled substance audit from two weeks to one hour. Ensured continuous delivery of outpatient pharmacy services by creating timely modern replacements for sunset applications.

Experience

Northwell Health — Manhasset, NY

Data Analyst, October 2016 to present

Uses JavaScript and VBA for hospital pharmacy data analysis and analytics. Creates scripts to automate pharmacy processes and maintains tools used to expedite pharmacist workflow.

Projects

C2 Auditing Tools

A desktop application that facilitates the auditing of controlled substance chain of custody, tracing restricted medications from time of dispensing, to time of administration or other disposition.

VaccTrac

A proof-of-concept to demonstrate the feasibility of using a mobile application to assist patients in tracking their own vaccination histories and needed future vaccines.

Study Drug and Cytoxan Label Makers

Two desktop applications that allow pharmacists to create outpatient medication labels of varying formats featuring live preview and automatic dosing calculations and conversions.

Skills

Core:	HTML5, CSS3, JavaScript, SQL
Front-end:	Bootstrap, GraphQL, React, Redux, Sass, Styled components
Back-end:	Express, Node.js, PostgreSQL, Sequelize, SQLite
Testing:	Jest
Tools:	Babel, Git, NPM, Webpack
Platforms:	Electron, Expo, Gatsby, Heroku, Netlify, React Native

Education

Montclair State University	M.A. in Music Theory and Composition	GPA: 3.978
Montclair, NJ	B.Mus. in Music Theory and Composition	GPA: 3.837