

Nathaniel Wolf, EIT

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[LinkedIn](#) | [Github](#) | [Personal Site](#)

FULLSTACK ENGINEER

EDUCATION

Flatiron School

Full Stack Web Development, Ruby on Rails and JavaScript program

New York, NY

06/2022 - 10/2022

The College of New Jersey

Bachelor of Science - Engineering Management, Mechanical Specialization

Ewing, NJ

08/2012 - 05/2016

TECHNICAL PROJECTS

Liber Characterum - [Github Demo](#)

Desktop companion application for the Black Crusade tabletop role-playing system built with Python

- Built custom GUI with tkinter and ttk libraries so the application was not reliant on a web browser, keeping the possible distraction of the internet from interfering with the game
- Interfaced with .csv datafiles using the Pandas library, and read/wrote character files using the json library
- Deep-merged dictionaries via the [mergedeep](#) library to create character sheets

Kon-Di - [Github](#)

A secure diary application built with Ruby

- Utilized JSON Web Tokens and localStorage to store encrypted user information client-side
- Encrypted user entries in the database using ActiveRecord encryption
- Constructed user-friendly interface with React

Transparenz - [Github](#)

A hospital procedure price comparison tool

- Coordinated tasks for a team of 5 through Github Projects and Issues
- Parsed 287,852 lines of hospital chargemaster data and 285 common CPT codes into a PostgreSQL database
- Retrieved users' local hospital via [Geocoder](#) integration

TECHNICAL SKILLS

| Python | JavaScript | HTML | CSS | React | Ruby | Ruby on Rails | SQL | PostgreSQL |

WORK EXPERIENCE

Spacelab

Backend Team

New York, NY

11/2022 - Present

- Volunteered to help set up the GraphQL database for the Exoplanetarium project
- Assisting in configuring the database to be hosted on AWS

General Services Administration

Mechanical Engineer

New York, NY

06/2018 - 06/2022

- Supported non-technical teams through solving and communicating complex engineering problems
- Reviewed technical specifications of commercial products to ensure they met standards set by federal buyers
- Ensured information in Individual Part Documents for National Stock Numbers were accurate

The Skydyne Company

Production Engineer

Port Jervis, NY

07/2016 - 01/2018

- Engaged with the Sales and Production teams to interpret client specifications or production requirements
- Created and modified CAD drawings for clients of a manufacturer specializing in durable containers for military use
- Developed 3-D models and animations from 2-D drawings for use in client proposal presentations
- Conducted quality assurance, pressure, and drop testing, as well as Finite Element Analysis of prospective designs