

# John J. Herman

## Full-Stack Developer

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### EXPERIENCE

#### Software Engineer (Contract)

Jan 2022 - PRESENT

*Community Foundation for Greater Atlanta*

- Provided software engineering support for *Neighborhood Nexus* and the *Atlanta Regional Commission's* Research & Analytics Group.
- Rebuilt entire backend for an existing *CSPAV* React web application with Node.js, Python, Express and MongoDB.
- Designed and developed new REST APIs, with documentation, for the *Eviction Tracker* project with Node.js, Express and MongoDB.
- Applied new branding and data sources to map images and charts being shared from the *DataNexus* project with React.
- Upgraded all dependencies and refactored source code associated with dependency upgrades on the *Eviction Tracker*, *Data Explorer* and *DataNexus* projects.
- Documented a web scraper that reads eviction case information from a website, restructures the data using a model and saves the document to a database with Node.js and MongoDB.

#### Asst. Full Stack Developer (Contract)

Feb 2021 - Jan 2022

*Community Foundation for Greater Atlanta*

- Assisted the Research & Application Development Coordinator at Atlanta Regional Commission by developing, maintaining and refactoring ARC and Neighborhood Nexus projects.
- Implemented sessioning into *DataNexus* to document state persistence with Express, MongoDB and React.
- Designed a data flow map to assist in refactoring redundant data state and improve application performance with Google Drawings.
- Developed a new data set uploader to expedite the process of adding new indicators to the *DataNexus* project with Node.js and MongoDB.
- Designed and documented a data set uploader that joins Metro Atlanta property data from multiple CSVs with Node.js and MongoDB.

#### Full Stack Web Development Tutor

Oct 2020 - July 2022

*Trilogy Education Services*

- Aided students in learning HTML, CSS, JavaScript, Node, MongoDB, MySQL, Express and React.
- Guided students to develop their own ability to solve problems.

### EDUCATION

#### Georgia Institute of Technology

Aug 2020

*Certificate in Full Stack Web Development*

### LANGUAGES

JavaScript

HTML

CSS

Node.js

TypeScript

Python

### FRAMEWORKS / LIBRARIES

React

Express

Leaflet

Turf.js

Chart.js

Passport

### DATABASES

MongoDB

MySQL

IndexedDB

### METHODOLOGIES

Git

Pair Programming

Agile Development

Object-Oriented Programming

REST Web Services

Wireframing

Web Scraping