

# Sanghoon (Daniel) Lee

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## Fullstack Web Developer

Software engineer with a passion for fullstack web development specializing in React, Node.js, and PostgreSQL. Eagerness and willingness to learn new technologies and stacks to create fullstack application.

### TECHNICAL SKILLS

- JavaScript, Python, React, React-Router, Redux, Node.js, Bootstrap, Chakra, PostgreSQL, Express.js, Sequelize, HTML, CSS, jQuery, Pandas, Numpy, Seaborn, Bcrypt, AWS (S3, EC2), ES6-Express-Template-Engine, Chart.js, Recharts, Selenium, Pg-promise, Webpack, Agile/Scrum, Git, Github, VS Code, Postman, Excel, Powerpoint, Tableau

### PROJECTS

**Bugsly** || Bug Tracking and Project Management Application || <https://bugslly.herokuapp.com> July 2022

- Utilized React components for the ability to modularize the code, allowing for code maintainability and scalability as well as taking advantage of the efficient rendering that the virtual dom provides
- Used React routers to enable navigation among views of various components within Bugsly, to allow changing browser URL which aided fetching data from the backend using parameters, and to keep the dynamic website in sync with the URL
- Implemented Redux Toolkit with queries to fetch and store data from the backend routes into global state management which effectively eased the process of accessing data from a centralized store and allowing for prompt development to render Bugsly
- Created charts using Recharts to set up visualizations for users to gauge their progress on their projects and issues
- Implemented Chakra UI for customizable components that added responsive and simple design using less code
- Developed a PostgreSQL database with Project, Issue, User, and Collaborate models with association to Users to Projects to Issues and also a junction table that associated multiple users with multiple projects
- Leveraged Sequelize to query data from PostgreSQL along with Express and Node.js to develop RESTful routes to send concurrent responses and requests to the frontend from the server
- Utilized Postman to develop the backend routes to ensure requests and responses are accurate and functioning for the website
- Worked with Bcrypt library to hash user's passwords for better security
- Used Git and Github as a version control system, to track changes to files, and resolve merge conflicts for better collaboration

**To-Do It** || Productivity and Task Management Application || <https://to-do-it.netlify.app> July 2022

- Used React to create functional components to use throughout the application for scalability and efficiently render the webpage
- Mapped React-Router dynamic client-side routing for an enhanced user experience as a single-page application
- Utilized Bootstrap's highly customizable components and styling for responsive design and ease of quick usability for developing a web page
- Implemented Redux using actions and reducers to manage state values globally and access state values efficiently throughout the application for rendering
- Ability to sort the columns of their tasks in the list view using React useState with the Javascript sort method

**Beefy Boi's Diner** || E-Commerce Restaurant Application || <https://beefyboisdiner.herokuapp.com> June 2022

- Implemented Express-ES6-template-engine for server-side rendering to the client side for faster load speeds, reduced latency, and consistent SEO performance
- Developed backend routes for server-side rendering with Node and Express using RESTful routes for quick rendering performance allowing our application to handle simultaneous database queries through concurrent requests to the server
- Used Sequelize to create models for Users, Orders, and Products, to develop associations/relations for the models, and to query data from the PostgreSQL database for server-side rendering
- Utilized Bootstrap to develop a responsive design, highly customizable components, and clean and consistent code

**Planner-Getaway** || Travel Itinerary Planner Application || <https://planner-getaway.netlify.app> May 2022

- Leveraged Google Maps and OpenWeather API to fetch data to render a responsive simple web application UI with Bootstrap and create interactions using event listeners with Javascript

**Report Automation Using Selenium and Python** || Marsh and McLennan Agency April 2021

- Developed a script using Python and Selenium that automatically logged in, selected specific clients and time periods, took screenshots within the data analytics platform then populated a PowerPoint report with the screenshots to provide to client

### PROFESSIONAL EXPERIENCE

**Marsh and McLennan Agency** || *Healthcare Data Analyst II* || Atlanta, Georgia January 2020 - March 2022

- Used pandas, numpy, seaborn, matplotlib to clean data and for developing data visualizations
- Translated data into actionable dashboards using Artemis, Cotiviti, Tableau, Excel, and Powerpoint for client presentations
- Communicated findings and presented data to clients, consultants, and account teams in a way that can be easily understood

**Onedigital Health and Benefits** || *Benefits Financial Analyst* || Atlanta, Georgia May 2017 - January 2020

- Wrote SQL queries to retrieve data from multiple sources for data analysis and reporting
- Automated a data model to identify cost savings for client's health insurance premiums with data from various sources in Excel

### EDUCATION

**DigitalCrafts** | Full-Stack Web Development Bootcamp | Atlanta, Georgia July 2022

**University of Georgia** | B.B.A in Risk Management and Insurance | Athens, Georgia May 2017