

Deanna Lacerte

Full-Stack Software Engineer

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SKILLS

Languages - JavaScript, HTML, CSS, Python, SQL, Java, Mongo / Mongoose, JSON, EJS, Handlebars

Libraries and Frameworks - React, React Native, Express.js, Node.js, SpringBoot, Django, Bootstrap

Database - PostgreSQL, MongoDB | **Other** - RESTful Routing, JSON api, MERN stack, Postman, Alteryx, Tableau, Git / GitHub

SOFTWARE DEVELOPMENT PROJECTS

January 2022 - Present

Save Your Food | Java, SpringBoot, PostgreSQL, React, React Native | [Live](#) | [GitHub \(Frontend\)](#) | [\(Backend\)](#) | [\(Mobile\)](#)

- A food sustainability website, where you can manage and track your pantry, grocery lists, and weekly meal plans.
- Utilized Java, SpringBoot, PostgreSQL, and React to build a full stack application in 3 days. Includes full create, read, update, delete (CRUD) operations hitting all RESTful API calls.
- Rendered responsive browser side views using React Router and Hooks and styled using CSS3 and Bootstrap.
- Translated front end web application into a corresponding mobile application using React Native.

Pretty Good Reads | MongoDB, Express.js, Node.js, HTML5, CSS3, JS, React | [Live](#) | [GitHub \(Frontend\)](#) | [\(Backend\)](#)

- A spin off of Good Reads, where users can view books, add them to category lists, and add and view user reviews.
- Utilized Google OAuth 2.0 to set up and authenticate user accounts and for user session validation.
- Utilized the Google Books API to populate book searches and book model details dynamically as users use the application.
- Made RESTful API calls to an Express, MongoDB, Node.js backend handling create, read, update, delete (CRUD) operations.
- Rendered responsive browser side views using React Router and Hooks and styled using Vanilla CSS3.

USA Travel App | MongoDB, Express.js, Node.js, HTML5, CSS3, JS, EJS, Bootstrap | [Live](#) | [GitHub](#)

- A trip management website, where you can plan and record your travels around the U.S. (restaurants, hotels, entertainment, etc.).
- Made RESTful API calls to an Express, MongoDB, Node.js backend handling all create, read, update, delete (CRUD) operations, and tested all backend routes during development using Postman.
- Used Mongoose to define schemas for MongoDB collections.
- Rendered both browser side views (HTML) and server side views (EJS) and styled using CSS3 and Bootstrap.

Battleship Game | HTML5, CSS3, Vanilla JavaScript | [Live](#) | [GitHub](#)

- Created an interactive Battleship board using DOM manipulation and class construction, allowing the player to set their boards and make moves.
- Developed a computer AI using Vanilla JavaScript that acts strategically based on past moves and the current board layout.
- Styled and created the visual aspects using HTML5 and CSS3.

PROFESSIONAL EXPERIENCE

PricewaterhouseCoopers (PwC) | Boston, MA

Deployment Data Analytics Senior Associate

February 2021 - January 2022

- Identified issues affecting deployment data accuracy by designing the data structure and UI of a national employee metrics tool (1,500+ users) using Alteryx and Tableau.
- Addressed disparities in D&I project assignment equity by utilizing Tableau to build a D&I metrics dashboard, increasing resource utilization of diverse staff by 6%.
- Evaluated and improved employee satisfaction by rolling out a custom project feedback survey with Tableau data visualization to present key findings and areas of improvement to senior leadership.

Data Assurance & Transparency Experienced / Senior Associate

July 2016 - February 2021

- Coordinated between key client stakeholders, internal leadership and 15+ subordinate staff (on and offshore) to lead SOC 1 and SOX audits of Fortune 500 companies in a timely, efficient, and detail-oriented manner.
- Automated 100+ previously manual audit processes using Alteryx by coordinating with key client and internal stakeholders to design and execute 25+ custom SQL database queries, improving profit margins by over \$100k.
- Implemented a budget data visualization tool for a multi-million dollar project, identifying a projected \$250k overage and enabling the team to adjust the project plan and achieve an \$85k gain.

- Enabled national offshore strategy by developing a data visualization tool for the local audit market (190+ teams) to evaluate and forecast offshore utilization, enabling the local market to outperform targets by 2% and drive a national policy change.
- Demonstrated flexibility and strong project management skills by leading an unexpected client project within 6 weeks, resulting in an additional \$35k in revenue.

EDUCATION

GENERAL ASSEMBLY | REMOTE

Software Engineering Immersive

January 2022 - July 2022

Full-stack software engineering immersive student in an intensive, 24-week, 450+ hour program focused on product development fundamentals, object-oriented programming, MVC frameworks, data modeling, and team collaboration strategies. Developed a portfolio of individual and group projects using Git/GitHub, Heroku and Netlify.

UNIVERSITY OF DELAWARE | NEWARK, DE

B.S. in Economics, B.S. in Finance

September 2012 - May 2016

Honors Program | Summa Cum Laude | *GPA: 3.97*