SHANTI BETTS

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SUMMARY

Full Stack Developer with a background in Mechanical Engineering and security design. Passionate about leading teams in a collaborative environment to collectively cultivate new products and tools, while developing strategies that increase efficiency and improve efficacy within an organization. Strengths in workflow design and standardization enables me to approach each project with an eye for scalability and automation.

SKILLS

| **Front End** React, jQuery, AJAX, JavaScript, HTML, CSS | **Back End** Node.js, Mongodb, Express API, Python, SQL, Django |
| **Design & Graphics** AutoCAD, SolidWorks, MS Office, Figma, Bluebeam, GIMP |

PROJECTS

Tarot Reader - Developed a mobile-first React web based application that creates a Tarot reading.
- Implemented with React, CSS and API calls to pull remote data and create a cohesive user experience.
- Designed dynamic React Components and State to create a robust and scalable app ready for expansion.
- Utilized MUI library and dynamic CSS styling to create a seamless, modern UI from mobile to desktop.
- Collaborated with content creators to include their Tarot artwork and descriptions to create a greater depth of experience by integrating multiple Tarot decks.

Tracker - Collaborated with a team of 4 developers to design and create a full-stack MERN application to track bugs.
- Implemented with Mongodb, Express, React and Node.js to view, create, track and manage bugs and users.
- Designed a RESTful API to securely link a database and back-end server with the client-side web application.
- Leveraged MUI library components to filter, display and manage data to create an intuitive and transparent UI.
- Utilized React Components to create a robust, scalable and maintainable application ready for future updates.

Burning Wheel Character Sheet - **Currently Under Development**
- Developed a full-stack MERN application to track and update character sheets
- Implemented with Mongodb, Express, React and Node.js to create a persistent database of users and their characters with RESTful API to communicate with a custom front-end to display and update character data.
- Integrated Google OAuth to handle authorization of users securely.
- Utilized front-end logic to integrate game rules to automate character advancement, paired with CRUD actions to efficiently update character database for persistent character tracking.

EXPERIENCE

Floor Plan Drafter, University of Washington, Seattle WA   Sep. 2013 – Jul. 2016
- Drafted floor plans for UW's 20k+ square feet of facilities to facilitate automated translation into GIS for use by the university in planning, budgeting and for student and faculty navigation on campus.
- Developed scripts in LISP to automate organizational workflow structure improving efficiency by 20% leading to faster drafting turnaround times and minimized user errors.

Consulting Engineer, Aronson Security Group, Seattle WA   May 2011 – May 2013
- Managed a security design team of five people responsible for Microsoft Critical Infrastructure data centers
- Collaborated with external stakeholders to monitor project timelines and deliver designs on time and budget.
- Designed and implemented an automated, consistent and cross-referenced schedule, reducing design turnaround time by 15% to compress design schedules to keep up with Microsoft's expedited design schedule.
- Increased design accuracy by repositioning the department to increase collaboration and communication between drafters and engineers to cut ASG design department's redline error-return rate to less than 5%.

EDUCATION

Software Engineering Immersive   July 2022
General Assembly
Bachelor of Science in Mechanical Engineering   May 2008
California State University, Chico