

Kenneth Dodson-Knapp

Software Engineer

(360)-865-7296 kdk52391@gmail.com [Portfolio](#) [LinkedIn](#) [Github](#)

Skills

JavaScript, Python, React, Redux, HTML, CSS3, Git, PostgreSQL, Flask, RESTful APIs, Node.js, Docker, Object Oriented Programming, SQL, AWS Web Services(DynamoDB, Cognito, App Runner, EC2, Amplify), FastAPI, React Native

Projects

Initio - 409A Portal (JavaScript, React, Python, FastAPI, HTML5, CSS3, DynamoDB) [Live Site](#)

- Developed a web application for 409A valuations, allowing users to input company financial data.
- Helped design and implement a calculation engine that generated common stock prices by running many financial scenarios.
- Designed and deployed using Docker images and scripting for smooth execution and scalability.
- Streamlined the valuation process, improving workflow efficiency and ensuring IRS compliance.

Initio - 820 Portal (JavaScript, React, Python, FastAPI, HTML5, CSS3, DynamoDB) [Live Site](#)

- Built a platform for managing 820 reports, documenting financial transaction activities.
- Ensured secure data aggregation and compliance with industry regulations.
- Implemented data visualization features, allowing clients to interact with financial data and integrate it into their calculations.
- Enhanced the accuracy and efficiency of financial reporting for clients, handling large volumes of data.

Pettit A clone of Reddit (JavaScript, React, Redux, Python, Flask, HTML5, CSS3, PostgreSQL) [Live Site](#) | [Github](#)

- Implemented React Router for smooth, client-side navigation between views without page reloads.
- Applied responsive design principles with CSS and Flexbox/Grid to ensure optimal performance across different devices and screen sizes.
- Created custom backend Python routes to render and update the Redux store to manage state.
- Leveraged browser-native validation methods (e.g., required, pattern) alongside custom JavaScript checks to ensure comprehensive input validation.
- Executed client-server architecture to improve the portability of data storage across multiple platforms codifying RESTful convention practices

Carra A question and answer platform (JavaScript, Pug, Express, SQL, CSS3) [Live Site](#) | [GitHub](#)

- Implemented nested elements to allow users to post questions, answers, and comments. This was accomplished through the use of join table query searches and data manipulation in pug in order to ensure data integrity.
- Implemented session authentication to check permissions when enabling edit and delete features.
- Delete buttons were dynamic allowing users to delete without needing to reload with event listeners and fetch requests.
- Created custom buttons with transition and transform effects that react to mouse hovers to enhance intuitive use.

Experience

Initio | Software Developer Oct 2022 - Present

- Collaborated with a cross-functional team in a Scrum environment to develop a web application for financial firms, enabling users to input company financials and obtain a 409A valuation.
- Contributed to the full software development lifecycle, from requirements gathering and design to deployment and post-release support, ensuring the delivery of high-quality, reliable software that met client expectations.
- Engaged in continuous collaboration with stakeholders and the design team to refine features and optimize the user experience based on iterative feedback, ensuring alignment with business goals and user needs.
- Worked closely with a designer to create a user-friendly interface, ensuring the application met both aesthetic and functional requirements.
- Implemented Docker images for containerization, ensuring efficient deployment and scalability.

Favorite Healthcare Staffing | Certified Nursing Assistant Nov 2015 - Oct 2022

- Collaborated with a team of 5-6 employees of a facility throughout per diem assignments that cultivated trust in my work ethic and integration into an established team.
- Maximized efficiency in roles at 3-5 healthcare facilities concurrently, successfully upholding high standards while adhering to each facility's standards of operation by cultivating strict time management and consistency.

Washington State Veterans Home | Certified Nursing Assistant Jun 2012- Oct 2015

- Managed care for 200+ patients of a multi-story facility as a float Certified Nursing Assistant, establishing solid relationships with patients and seamlessly integrating within established nursing staff.
- Conferred with patients and families as a liaison with other nursing staff, successfully opening channels of communication and providing clear instructions/expectations.
- Participated as a member of a team of medical professionals that prioritized teamwork and attention to detail when executing care plans and meeting patient needs.

Education

App Academy | Full Stack Web Development Aug 2021 - Mar 2022

Software Engineering boot-camp focusing on web development essentials such as pair programming, OOP, TDD, agile methodologies.