

# Joshua Beed

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## EDUCATION

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<b>Bachelor's of Science, Computer Science</b>	University of California, Riverside	June 2024
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**Relevant coursework:** Software Construction, Algorithm Engineering, Data Structures and Algorithms, Introduction to Artificial Intelligence, Introduction to Software Engineering, Database Management Systems, Web Development, Information Retrieval

## Technical and Computer Skills

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HTML | CSS | TailwindCSS | Javascript | Typescript | C++ | Node.js | Express | MongoDB | Git and Github | React | GoogleTest | Figma | Zoom | SQL | Software Development Life Cycle | Jest | Agile Development

## Software Engineering Experience

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<b>Junior Frontend Engineer Intern</b>	DecOps, Raleigh, NC	May 2023 - September 2023
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- Redesigned and enhanced the user profile page, optimizing its readability and user-friendliness, resulting in improvement in overall usability using **React** and **TailwindCSS**.
- Implemented and Tested part of a Restful API by using **Typescript** and **Postman** to facilitate the secure storage of workflows within an external database.
- Redesigned and collaborated with team to improve the accessibility of Simpfi web app to make it WCAG compliant.
- Utilized **Figma** to design and collaborate with my team to build out the billings page to increase user privacy and track their billing history.

## Leadership Experience

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<b>Shop It Up - Ecommerce application (School Project)</b>	<a href="#">Project Link</a>	January 2024 - March 2024
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- As a co-lead, I provided guidance to a team of five other developers throughout the 10 week project lifecycle. This included assisting with introducing developers to the MERN stack, collecting and analyzing requirements, facilitating collaboration during planning and design phases, and overseeing as well as documenting the architecture of the entire application.
- My primary focus was leading and collaborating with the backend team to implement crucial features such as Authentication, achieved through **Passport.js** and **OAuth**, ensuring user data encryption for privacy, and constructing REST APIs.
- In addition to my leadership role, I served as the Database Administrator, utilizing **MongoDB** and **Mongoose** to employ effective data modeling techniques to optimize database organization.
- Furthermore, I worked closely with another backend developer and frontend team to successfully create shared cart functionality, enhancing the user experience and functionality of the application.
- Created some test cases and scenarios for application using **Jest** testing Framework to ensure product functionality.

## Projects Experience

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<b>Priority - Online Scheduling Application</b>	<a href="#">Project Link</a>	October 2023 - April 2024
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- Developed a dynamic, responsive user dashboard using **React.js**, ensuring seamless updates upon the creation of new tasks, filtering tasks, or updates to an existing task.
- Implemented server-side session-based authentication system and secure routes using **Node.js**, enhancing the overall authentication layer of the application that permits users to be active for a period of time instead in one instance.
- Utilized **MongoDB** and **Mongoose** to establish and manage databases, streamlining data model construction for simplified communication with the databases, thereby optimizing development process.

- Collaborated closely with a designer and utilized **Figma** to conceptualize and execute the design of the user dashboard, ensuring a seamless integration of functionality and aesthetics.

## Extra Curricular Experience

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| <b>Grief to Action Deep Mentorship Program</b>  | Holistic Resistance    | January 2020 - January 2021 |
| <ul style="list-style-type: none"><li>• Participate in a group mentorship program that includes team building, self-reflection exercises, and deep inquiry around life experiences.</li><li>• Develop tools and practices that allow me to be with other people's emotions from a place of deep listening and empathy, and a focus on creating connections across identities.</li></ul> |                        |                             |
| <b>Peer Mentor</b>  | Mentor Collective, UCR | September 2021 - June 2022  |
| <ul style="list-style-type: none"><li>• Offered guidance to incoming freshmen, introducing them to the various resources and opportunities available at the University of California Riverside.</li><li>• Conducted monthly one-on-one meetings with mentees to assess their experiences and provide support.</li></ul>   |                        |                             |