

Jaspreet Singh

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PROGRAMMING LANGUAGES, TOOLS & TECHNOLOGIES

Programming Languages: Ruby, JavaScript, HTML, CSS, Java, SQL, Kotlin, Python

Technologies & Frameworks: Rails, React, Express.js, Redux, Tailwind CSS, Git, MySQL, PostgreSQL, MongoDB, Firebase, REST, Node.js, Vanilla Js, Rspec, Visual Studio, Amazon Web Services (AWS)

Other Skills: Documentation, Test Driven Development, Agile, Scrum

Languages: Fluent in Italian, Punjabi/Hindi

EDUCATION

New Jersey Institute of Technology

Bachelor of Science in Computer Science

Newark, NJ

Class of 2024

Middlesex College

Associate of Science in Computer Science

Edison, NJ

Class of 2021

PROJECTS

GENIE (React / Redux, Node.js, Express.js, MongoDB, Mongoose, Tailwind CSS)

[live](#) | [github](#)

A MERN stack project that leverages AI to generate flashcards from user-uploaded notes.

- Styled the frontend for a responsive web page using Tailwind CSS, ensuring consistent design across devices and improving user experience and maintainability.
- Managed data fetching and state management using Redux store by creating actions and constants to fetch data from the backend and make it available to the frontend, ensuring a seamless flow of data.
- Developed a modal for user registration and login using React.js and Tailwind CSS, incorporating a demo login feature to enhance user experience with intuitive and accessible authentication.

STAYHUBNB (Ruby on Rails, React, Redux, HTML5, CSS3, PostgreSQL, AWS S3, Render, Node.js)

[live](#) | [github](#)

An *AirBnb* clone, that allows users to find and book accommodations worldwide, offering a wide range of lodging options.

- Utilized BCrypt to create secure encryption for passwords and validate credentials on both the frontend and backend, ensuring enhanced security and protection of user data.
- Integrated AWS S3 for image storage, providing scalable, secure, and reliable storage solutions to handle image uploads and retrievals efficiently.
- Structured backend responses to HTTP requests using Jbuilder, formatting data as JS objects for seamless consumption and incorporation in the Redux store and connected frontend components.
- Implemented PostgreSQL as the database solution, ensuring robust data handling and efficient queries for enhanced application performance and reliability.

SPACE SHOOTOUT - Action Packed Space Adventure Game (JavaScript, Canvas)

[live](#) | [github](#)

A JavaScript game where players maneuver a spaceship to shoot and evade obstacles and enemies in a space-themed environment.

- Developed a fully interactive space shooter game utilizing advanced JavaScript techniques to enhance user experience with smooth gameplay and responsive interactions.
- Implemented collision detection algorithms and optimized game physics utilizing advanced algorithm design and physics optimization techniques to enhance gameplay realism and challenge, providing smooth and engaging player experiences.
- Leveraged the HTML5 Canvas API for dynamic rendering of game graphics and animations.
- Employed Vanilla DOM manipulation for responsive and intuitive user interfaces.

RECOLLECTION APP - Lead Reminder Functionality Developer (Kotlin, Firebase)

[github](#)

An app that combines notes, reminders, your calendar, & spreadsheets all in one place.

- Led the development and integration of the reminder feature utilizing push notification services and scheduling algorithms to ensure seamless and timely delivery of user-set reminders, enhancing user engagement and reliability.
- Utilized Kotlin for building and refining the reminder functionality, enhancing user experience and interconnectivity
- Collaborated with team members to integrate reminders with calendar events, notes, and financial tracking for a cohesive user experience
- Implemented UI design to back-end data persistence using Firebase, providing seamless integration between the user interface and data storage, ensuring real-time updates and reliable data management.

WORK EXPERIENCE

Racestar Inc

Carteret, NJ

Assistant Store Manager

Jan 2021- Mar 2024

- Enhanced customer satisfaction through streamlined complaint resolution processes and improved employee onboarding and performance.
- Improved efficiency in inventory control and order fulfillment, ensuring timely availability of products and reducing operational costs.

7-Eleven Store

Union, NJ

Senior Sales Associate

Jan 2020- Jan 2021

- Enhanced customer interactions and satisfaction through personalized service and efficient issue resolution.
- Reduced out-of-stock situations and minimized excess inventory, leading to improved operational efficiency.

INTERESTS

Interests: Cricket, Soccer, Hiking, Travelling, Cycling, Dancing (Bhangra)