

# JASPREET SINGH

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**SKILLS** AWS, Axios, Blender, CSS3, Cannon.js, Express, Git, HTML5 & Canvas, Jasmin, Javascript, jQuery, MongoDB, Mongoose, NOSQL, Node.js, PostgreSQL, React, Redux, Rspec, Ruby, Ruby on Rails, SASS, SQL, Three.js, WebGL, Webpack.

## PROJECTS

**OurSpace** (Rails, React, Redux HTML5, AWS and CSS3)

[Live Site](#) | [Github](#)

*A solo-fullstack single-page Facebook clone where users can make posts, add comments, likes, and send and receive friend requests.*

- Single-handedly implemented custom backend and front end user authentication by combining Rails conventions, Active Record, and customized React-Router higher order components.
- Implemented PostgreSQL relational database to create relational data modeling and polymorphic associations.
- Coalesced best practices into routine including: bootstrapping the current user to frontend, implementing protected routes, protecting against CSRF injection attacks, coding DRY, and using CRUD methods.
- Optimized database usage and eliminated N+1 queries by observing SQL and Active Record best practices.
- Connected the Rails back end to AWS S3 for media storage and organization while maintaining content security with AWS IAM.
- Incorporated React-Redux container and Redux selector patterns to architect highly scalable and uni-directional front-end state management.
- Unionized Webpack and Babel to ensure a reliable uniform user experience across web browsers.

**BlockUp** (Javascript, MongoDB, Mongoose, Express, React, Node.js, Axios, HTML, and CSS)

[Live Site](#) | [Github](#)

*A four-person fullstack project incorporating two-factor-authentication to allow for secure text, and video instant messaging.*

- Managed a team of four Software Engineers as the team lead, organized and implemented daily Git workflow, reducing merge conflicts to zero, and delegated tasks to each member improving efficiency by 50%.
- Structured highly secure user authentication by incorporating two-factor authentication API; Google Authenticator.
- Integrated Socket.io to enable realtime, bi-directional communication between web clients and servers.
- Leveraged asynchronous code to reduce time complexity of backend calls and make user interaction seamless.

**ProjectPark** (Javascript, Three.js, Cannon.js, Blender, Canvas, HTML, CSS,))

[Live Site](#) | [Github](#)

*A solo frontend open-world project where users can play various games with props in a colorful environment.*

- Used applied physics and geometry principles to create event handling functionality with physics driven projects.
- Undertook learning Three.js and implemented best practices for decreasing render time by using Draco to load 3d models.
- Integrated Cannon.js physics engine to create collision detection and gravity controls with no prior experience.
- Edited custom, low-poly, animated, 3D car using Blender's 3D editor and imported functionality into three.js.

## EXPERIENCE

**Thomson Ollunga LLP, Senior Paralegal** Madison Ave, NY

2019-2021

- Delegated tasks to a team of paralegals to optimize contract deployment time by 75% and train new hires.
- Conducted daily work on trademark infrastructure such as trademark creation, maintenance, troubleshooting with the USPTO.
- Created business entities, LLCs, and corporations, red-marked contracts, conducted legal research, and interviewed clients.
- Self-assigned tasks: updating and reaching out to clients for information, keeping work space clean, and mentoring new hires.

**Sikh Coalition, Intern** Wall Street, NY

2016-2019

- Panelled in multiple [conferences](#) and brought awareness about community injustices.
- Organized and led fundraising events while engaging with clients, increasing branch client base by 25% and raising over \$10,000 in donations.

## EDUCATION

**App Academy** New York, NY (remote)

Dec 2020

- Took on an 80-90/hour work week for 16 weeks learning full stack development using Ruby on Rails, React, Redux, and MERN stack. Fully-immersed in a Git and paired-programming daily workflow routine.

**City College of New York** Harlem, NY

2016-2020

Magna Cum Laude | Bachelors of Arts, Pre-Law

- Organized and coached the school's first Mock Trial Team, with minimum resources.
- Won 'best attorney' and 'best witness' for City College for the first time: awarded best Coach by CCNY.
- Initiated the first Sikh Student Association, led a team of 20 students, hosted panels, and taught members Policy change skills.