

Harold Seo

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TECHNICAL SKILLS

Strong: JavaScript, React, HTML5, CSS3, jQuery, Node.js, Express, MongoDB, Rest API, Git, GitHub

Experienced: TypeScript, Jest, React Testing Library, PostgreSQL, Heroku, Authentication, Cookies, Bcrypt

EXPERIENCE

ChitChat | Software Engineer

2022–Present

- Developed a modular and responsive React application that allows chat messaging in real-time, providing a more efficient workflow, improving communication and coordination between teams.
- Established a Node.js/Express server to handle HTTP requests to multiple endpoints with middleware functionality using Axios, resulting in a 15% improvement in server response time.
- Upgraded authentication in Node server by using Bcrypt to hash passwords and Crypto to randomly generate cryptographic user ids, increasing application security by 25%.
- Deployed cookies to store returned data from our backend and utilize it across our application, including user signup and login.

YouTube Video Player | Software Engineer

2021–2022

- Utilized React's functional component architecture with the hooks system to build an application that allows users to search and watch videos.
- Implemented Jest and React Testing Library to verify components and custom hooks are rendering and functioning as expected.
- Enforced static typing, improve readability, and streamline debugging by integrating TypeScript to React to implement best practices.
- Employed the YouTube API to query and retrieve a list of videos related to our search.
- Leveraged Semantic UI to quickly create a theme and layout, increasing efficiency and maintaining a consistent UI.

TAG | Software Engineer

2020–2021

- Developed a web browser game using JavaScript, where two players compete in a game of tag.
- Implemented jQuery to manipulate the DOM and handle events like collision detection and player movement.
- Wrote game logic to enable a much smoother gameplay and accessible user experience.

NBCUniversal Media, LLC | Operations Analyst

2018–2020

- Enforced infringing media content across multiple social media platforms including YouTube Content Management System and Facebook Rights Manager, reducing copyrighted content violations by nearly 25%.
- Collaborated with the engineering team to develop and improve internal tools, which led to a 33% increase in productivity for our day-to-day operations.
- Performed routine audits on asset policies to ensure smooth transitions for domestic monetization and for operational efficiency.
- Worked closely with the legal team on risk management to mitigate any imminent issues when working with disputed claims.

EDUCATION

California State University, Northridge | BS in Kinesiology and Exercise Science

2016