# Justin Jae-Hong Shim

justinjaeshim@gmail.com | (310) 780-0582
linkedin.com/in/justinshim | justinshim.com

## Skills

**Languages:** TypeScript, JavaScript, Python, HTML/CSS, SASS, SQL, Korean (Fluent), Japanese (Conversational)
**Technologies:** React, Next.js, Redux, Node.js, Express, MongoDB, PostgreSQL, Prisma, Jest, MUI, TailwindCSS, AWS, Docker, Puppeteer, Git, GitHub Actions, Authentication, Webpack, Tanstack, REST API, Figma, PhotoShop

## Experience

### Creator Cards - Software Engineer                                         Aug 2023 - Present

- User-based content creator platform developed with **Next.js** that leverages the **Serverless Architecture** to encapsulate an easily scalable platform based on user demand www.creatorcards.us
- Implements **Prisma ORM** with **Next.js Server Actions** along with **Tanstack Query** to streamline client vs. server-side data fetches from **PostgreSQL** databases across the app, reducing custom **REST API** routes by 20%
- Development is test driven (**TDD**) with unit and integration tests made in **Jest** and **React Testing Library** and end-to-end testing suite in **Cypress** with over 99% testing coverage
- Robust **CI/CD** pipeline is automated with **GitHub Actions** and layers source control on top of testing in **Docker** containers for consistent environments and Continuous Deployment through Vercel ensures failsafe integration
- Incorporates several **REST API** routes for reusable and accessible backend actions such as automated emailing with **Nodemailer,** uploading files to our **Storage CDN**, and for user-driven database updates

### Next Engine Optimization - Software Engineer                          May 2023 - Aug 2023

- Initially made as a web application that implemented **Docker** to containerize user applications and run metrics analysis scripts to provide a consistent, testable environment for users
- Developed into a **VSCode extension** to help **Next.js** developers track **SEO** performance metrics of each page and make data-informed decisions and improve asset load times by 15%
- Uses **Puppeteer** to simulate browser loading and accesses the Performance API to gather real-time data such as first contentful paint, end-to-end response time, hydration time, and DOM completion
- Hosted on a T2 medium instance on **AWS EC2** which provided improved performance of the web application by speeding up compile time by around 2500 ms on average compared to competitors

### Cowaymega - Software Engineer                                             Jan 2022 - Jan 2023

- Managed www.cowaymega.com website design using **Shopify Liquid** to implement **HTML** templates that also include **CSS** and **JavaScript** files to update the site structure as directed by management
- Implemented a form that included adding a new **PostgreSQL** table to store and deliver on new B2B requests
- Monitored website traffic using Google Tags by implementing a **JavaScript** head tag to track click through rate, bounce rate, and session duration to improve customer retention and checkout rate by 220%

## Projects

### Bodyxchiro - https://www.bodyxchiro.com/                               2023 - Present

- Designing and developing the website for chiropractic office Bodyxchiro using **Figma** and built using **Next.js**
- Optimized site assets for lower bandwidth usage through **Vercel,** reducing outgoing data usage by 59%

## Education

**University of California San Diego** - Bachelor of Arts: International Business