

Ryan Barrientos

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SKILLS

Languages: Typescript, Javascript, HTML, CSS, Python, Java

Frameworks: Next.js, React, Express, Tailwind, Astro

Databases: MySQL, Planetscale, MongoDB

WORK EXPERIENCE

Software Engineer

Winter 2023 – Present

Bounce Alerts

- Revamped the outdated email templating infrastructure, migrating to a state-of-the-art platform using React Email and Resend which slashed email delivery time by 100% and improved developer experience.
- Led the end-to-end development of a comprehensive administrative dashboard, providing easy navigation and real-time visibility into key metrics which resulted in a 50% reduction in manual data processing time.
- Engineered a custom Discord bot that delivered real-time restock alerts to over 10,000 users, resulting in a 15% increase in sales revenue within the first month of implementation.

PROJECTS

Statify

Summer 2023

React, Tailwind, Prisma

- Developed and launched Statify, a personalized website leveraging Spotify data analytics to deliver personalized music listening insights, attracting a user base of hundreds within the initial month of release.
- Integrated a recommendation engine that provides users with personalized music suggestions based on users' top artists and songs, boosting user-generated playlists by 100%.
- Spearheaded the implementation of Vercel's OG image generation to automatically generate social card images, improving the ease and effectiveness of sharing content, boosting website traffic by 40%.

VGList

Summer 2023

Next.js, Typescript, MySQL

- Orchestrated the conception, implementation, and release of VGList, an online social cataloging service for gamers, cataloging and categorizing a library of over 250,000 games.
- Created a user centric interface featuring game statuses (e.g., currently playing, played, backlogged, dropped), receiving highly favorable feedback from over 90% of surveyed users.
- Streamlined game search processes by seamlessly integrating Algolia search, reducing average search time by 300%, resulting in higher user engagement.

Couture

Summer 2023

Typescript, Next.js, Planetscale

- Conceptualized and led the complete implementation of Couture, an elegant e-commerce platform offering a curated selection of over 40 high-end clothing products.
- Optimized payment processing by integrating Stripe, leading to a 30% decrease in transaction errors and ensuring a smooth and reliable payment experience for customers.
- Designed a user-friendly content management system, streamlining product management with seamless add, remove, update, and delete capabilities which improved operational efficiency by 50%.

EDUCATION

Virginia Polytechnic Institute and State University (Virginia Tech), Blacksburg, VA

Spring 2023

Bachelor of Science in Computer Science