Jacob Giamanco

Dynamic software engineer with 5+ years in frontend and full stack development. Expert in React, TypeScript, and Python-driven automation, focusing on efficiency and user experience. Skilled in cross-functional projects, scalable solutions, and agile methodologies. Known for delivering high-quality, user-centered products.

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LinkedIn Profile
Github Profile

EXPERIENCE

PayPal Inc., Remote— *Senior Software Engineer*

AUGUST 2021 - JULY 2024

• Achieved a 70% reduction in content storage size and a 90% decrease in translation costs by managing content optimization initiatives across 60+ products.

• Developed and maintained over 2,500 TypeScript React templates for email, SMS, and alerts, ensuring standardized communication for brands such as PayPal, Venmo, Honey, and Xoom.

• Reduced error rates by 95% through rigorous code review processes, integrating Jest for unit testing and Jenkins for continuous integration.

Petco, San Diego, CA— *Web Developer*

SEPTEMBER 2020 - JULY 2021 (W2 Contract)

• Implemented website redesigns, increasing user engagement by 25% and enhancing accessibility by 26% through strategic frontend development using HTML5, CSS, and JavaScript.

• Led frontend development tasks, improving load speed by 20% and maintaining device compatibility with error rates under 1% by executing rigorous QA testing with Grunt/Gulp automation.

• Collaborated with e-commerce and site experience teams to develop user-friendly features, ensuring cross-browser compatibility and mobile responsiveness.

Junket by iTourMobile, Remote— *Frontend Web Developer*

JUNE 2020 - JULY 2020 (Freelance Contract)

• Developed reusable components using Next.js, React, TypeScript, and Tailwind CSS, increasing mobile user engagement by 35% within the first month by incorporating mobile-first responsive design.

• Minimized bounce rates by over 30% through a targeted revamp of core mobile application features, enhancing user experience and functionality.

• Improved page load times and reduced user response times by an average of 20 seconds per request by integrating streamlined RESTful API connections and optimizing rendering strategies.

PROFESSIONAL SKILLS

Frontend: HTML5, CSS3, JavaScript, TypeScript, React, Next.js, Wordpress, JQuery

Backend: Node.js, Python, SQL, NoSQL, Database management, REST APIs, Redux, GraphQL, Web Sockets

Styling & UI Frameworks: Tailwind CSS, Sass, Semantic UI, Styled Components

Testing & QA: Jest, Manual Testing, CI/CD Integration, Jenkins, Splunk

Version Control: Git, GitHub

Cloud & Deployment: AWS, Google Cloud Platform, Docker

Project Management & Agile: Jira, Confluence, Agile Methodologies

Design & Prototyping: Figma, Adobe Creative Suite

Other: Responsive Mobile-first Design, Cross-browser Compatibility, Performance Optimization, Problem Solving, Cross-functional Collaboration.

EDUCATION

Associate's of Fine Art - Photography
Grossmont College

Bluegrace Logistics, Remote— *UX/UI Software Designer*

AUGUST 2019 - MARCH 2020 (Freelance Contract)

• Partnered with cross-functional teams during agile sprints to implement and standardize application layouts, improving client satisfaction scores by 35%.

• Developed interactive wireframe concepts and high-fidelity prototypes, reducing engineering development time by 45% through usability-driven adjustments.

• Coordinated directly with clients to interpret design needs and refine creative solutions, ensuring seamless task progression and increased efficiency metrics.

PROJECTS

Mithrandir — *Discord.py Bot*
[Github Repo](#) | [Add My Bot](#)

Developed Mithrandir, a versatile Discord bot enhancing server experiences with features like trivia games, custom responses, search commands, and more. Utilized discord.py for integration, various APIs (OpenAI, Google Custom Search), and SQLite for robust database management.

Nimbus— *Weather Web Application*
[Github Repo](#) | [Website](#)

Created a weather app to look up current weather by city or user location, with canvas animations that change depending on various weather types. Utilized TypeScript, Webpack, HTML, CSS, jQuery, OpenWeather API, Canvas animations, and Geo Location.

Roster — *Single Page Interactive API Application*
[Github Repo](#) | [Website](#)

Developed a web app to search for your favorite NFL players using an easy-to-navigate interface. Utilized React, TypeScript, Node.js, HTML/CSS, React-Dom, Semantic UI, Tachyons, Babel, and API.

CRWN Clothing — *Single Page ECommerce Application*
[Github Repo](#) | [Website](#)

Developed an e-commerce web app with Google sign-in and Stripe integration for payments. Utilized React, JavaScript, Firebase, Redux, Redux-Sagas, GraphQL, React-Dom, React-Router, React persist, HTML/CSS/Sass, Reselect, Node.js, and Stripe API.