

Jacob Giamanco

Dynamic Software Engineer with over 5 years of professional experience in developing scalable web and mobile applications. Proficient in JavaScript, TypeScript, React, and Python-driven automation, with a strong focus on customer-centric development and marketing technology solutions. Known for driving efficiency and enhancing user experience through innovative application of AI and machine learning techniques.

EXPERIENCE

Software Engineer / Web Developer / Owner – JG Creative Services, Remote

AUGUST 2019 - PRESENT

- Led the redesign and modernization of websites for small businesses, enhancing user interface and experience through best practices in architecture, coding standards, and design to improve customer engagement.
- Developed an interactive Discord bot utilizing AI technologies, significantly increasing user engagement across multiple servers by delivering personalized interactions and fostering community participation.
- Optimized website performance through advanced SEO techniques and accessibility best practices, resulting in a 50% increase in organic traffic and improved Google rankings while effectively articulating client needs and conducting training for new systems.

Software Engineer III – PayPal Inc., Remote

AUGUST 2021 - JULY 2024

- Achieved a 70% reduction in content storage size and a 90% decrease in translation costs by leading 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.
- Championed AI-driven solutions in marketing operations by proposing innovative integrations, resulting in a 95% reduction in error rates through improved coding standards and automated testing.

Web Developer – Petco, San Diego, CA

SEPTEMBER 2020 - JULY 2021

- 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.

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[LinkedIn Profile](#)

[Github Profile](#)

PROFESSIONAL SKILLS

Frontend: JavaScript, TypeScript, React, Next.js, HTML5, CSS3, Tailwind CSS, Sass, Semantic UI, Styled Components

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

CI/CD Tools: Jenkins, Spunk, Git, GitHub

Cloud Services: AWS, Google Cloud Platform, Docker

Project Management: Jira, Agile Methodologies, Cross-functional Collaboration

Design & Prototyping: Figma, Adobe Creative Suite

Content Management: Wordpress, AEM, Contentful

AI/ML Technologies: Familiarity with integrating machine learning solutions into existing systems

Other: Mobile-first Design, Cross-browser Compatibility, Performance Optimization.

EDUCATION

Associate's of Fine Art - Photography
Grossmont College

Frontend Web Developer – Junket by iTourMobile, Remote

JUNE 2020 - JULY 2020

- 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.

UX/UI Software Designer – Bluegrace Logistics, Remote

AUGUST 2019 - MARCH 2020

- 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 a versatile Discord bot using discord.py and SQLite, enhancing user interaction with features like trivia games and custom commands.

Nimbus – *Weather Web Application*

[Github Repo](#) | [Website](#)

Built an interactive weather application utilizing TypeScript, jQuery, Webpack, Canvas animation, and OpenWeather API to provide real-time weather data.

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](#)

Created a full-stack React e-commerce solution with Google sign-in and Stripe integration, showcasing strong application of marketing technology. Using Firebase, Redux, Redux-Sagas, GraphQL, React-Dom, React-Router, React persist, Sass, Reselect, and Node.js.