

Jacob Giamanco

Software Engineer

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Dynamic software engineer with 5+ years of expertise in frontend and full stack development, adept at driving efficiency and enhancing user experiences through innovative design and automation. Skilled in orchestrating cross-functional projects, optimizing user engagement, and implementing robust testing protocols. Experienced in deploying scalable solutions across multiple platforms, with a focus on React, TypeScript, and Python-driven automation. Proficient in agile methodologies, CI/CD pipelines, and quality assurance processes to ensure seamless integration and performance. Recognized for consistently delivering high-quality, user-centered products that align with strategic business goals.

Technical Skills

Frontend Development: React, Next.js, JavaScript, TypeScript, HTML5, CSS3

Backend Development: Node.js, REST APIs, GraphQL

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

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

Professional Experience

PayPal, Remote

Aug 2021 — Jul 2024

Production Software Engineer | Technical Product Manager

Managed content optimization initiatives across 60+ products, addressing storage use and translation processes. Collaborated with Brand, Marketing, and Operations teams to maintain cohesive user interactions and consistent product experiences. Oversaw development and maintenance of 2,500+ TypeScript React templates for email, SMS, and alerts across platforms, ensuring standardized communication for brands such as PayPal, Venmo, Honey, and Xoom. Conducted manual and automated code reviews within CI/CD pipelines, utilizing Jest for unit testing and Jenkins to uphold code quality standards and integration reliability.

- Achieved 70% reduction in content storage size and 90% decrease in translation costs through strategic content optimization.
- Automated workflows with Python, decreasing project timelines by 50% and streamlining cross-departmental collaboration.
- Developed and implemented over 2,500 TypeScript React templates, unifying communication channels across PayPal's major brands for seamless user experiences.
- Reduced error rates by 95% through rigorous code review processes, integrating Jest for unit testing and Jenkins for continuous integration.

Petco, San Diego, CA, USA

Sep 2020 — Jul 2021

Web Developer (Contract)

Implemented website redesigns in collaboration with e-commerce and site experience teams, handling development and integration of user-friendly features across multiple devices. Led frontend development tasks using HTML5, CSS, and JavaScript to support design and functionality updates. Performed quality assurance testing with automation scripts via Grunt/Gulp, addressing device compatibility and stability requirements for product launches.

- Increased user engagement by 25% during rebranding through website redesign implementation.
- Enhanced accessibility by authoring swipe functionality, leading to a 26% boost in promotional click-throughs during high-traffic periods.
- Improved load speed by 20% across devices, optimizing performance through strategic frontend development.
- Maintained device compatibility with error rates under 1% by executing rigorous QA testing with Grunt/Gulp automation.

Junket, Remote
Front End Web Developer (Contract)

Jun 2020 — Jul 2020

Developed reusable components using Next.js, React, TypeScript, and Tailwind CSS, working alongside backend developers to integrate RESTful APIs into mobile application. Focused on mobile-first responsive design and refining essential features for improved functionality. Coordinated with team members to enhance front-end efficiency and streamline application performance.

- Increased mobile user engagement by 35% within first month by incorporating mobile-first responsive design.
- Minimized bounce rates by over 30% through a targeted revamp of core mobile application features.
- Improved page load times with optimized rendering strategies using Next.js, React, and TypeScript.
- Reduced user response times by an average of 20 seconds per request by integrating streamlined RESTful API connections.

Bluegrace logistics, Remote
Software UI Designer (Contract)

Aug 2019 — Mar 2020

Designed an interactive wireframe prototype for a proprietary dashboard using both Figma and Sketch. Worked amongst cross-functional teams to implement engaging and intuitive designs to improve the User-Experience. Created various design implementations for stakeholder consideration, improving the client satisfaction. Collaborated with engineers to pinpoint improvements to the interface that led to quicker development time.

- Enhanced stakeholder engagement through interactive wireframe prototypes, informing design iterations.
- Boosted client satisfaction scores by 35% via regular communication and feedback sessions.
- Reduced engineer development time by 45% through usability assessments and improvements.
- Increased efficiency metrics by collaborating weekly with cross-functional teams in agile sprints.

Education

Associate of Art in Fine-Art Photography
Grossmont College