

# Jacob Giamanco

Software Engineer

[jacobdeansd@gmail.com](mailto:jacobdeansd@gmail.com) • 6195922261  
[linkedin.com/in/jacob-giamanco](https://linkedin.com/in/jacob-giamanco) • San Diego, CA

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, Wordpress, jQuery

**Backend Development:** Node.js, REST APIs, GraphQL, Python

**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**

Partnered with cross-functional teams during agile sprints to implement and standardize application layouts. Developed interactive wireframe concepts to visualize proprietary dashboard designs based on stakeholder input. Coordinated directly with clients to interpret design needs and refine creative solutions. Evaluated high-fidelity prototypes through structured usability reviews to pinpoint design and functionality adjustments.

- Improved client satisfaction scores by 35% through enhanced project deliverables.
- Reduced engineering development time by 45% by implementing critical usability-driven adjustments.
- Increased efficiency metrics by ensuring seamless task progression from development to completion.

## Education

**Associate of Art in Fine-Art Photography**  
Grossmont College