







Jacob Giamanco

Software Engineer

About

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Frontend Development

- React TypeScript
- JavaScript Redux
- Zustand HTML5 CSS3
- TailwindCSS Sass
- Semantic UI
- Syled-components

Backend Development

- Node.js Python SQL
- NoSQL RESTful API
- GraphQL PHP Laravel
- Django Express Flask
- MongoDB PostgreSQL
- SQLite Nest.js

DevOps & Tools

- AWS Docker Git GitHub
- Jenkins Jira Jest Splunk
- Agile Methodologies

Design & UX

- Figma WordPress
- Adobe Suite
- API Development

Summary

Software Engineer with 6 years of experience in frontend development, specializing in TypeScript and React. Demonstrates a visionary approach to optimizing website performance and implementing AI-driven solutions, achieving significant improvements in user engagement and operational efficiency. Skilled in leading innovative projects, with a proven track record of enhancing digital experiences and driving technological advancements in collaborative environments.

Experience

Software Engineer Web Developer Owner	August 2019 - Present
JG Creative Services	
<ul style="list-style-type: none">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.Engineered AI-driven Discord bot featuring personalized greetings, trivia games, and community polls; amplified user engagement by 25% across 5+ servers and boosted daily active users.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 Technical Product Manager III	August 2021 - July 2024
PayPal Inc.	
<ul style="list-style-type: none">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	September 2020 - July 2021
Petco	
<ul style="list-style-type: none">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.	
Frontend Web Developer	June 2020 - July 2020
Junket by iTourMobile	
<ul style="list-style-type: none">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	August 2019 - March 2020
Bluegrace Logistics	
<ul style="list-style-type: none">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

My Portfolio · <https://jacobgiamanco.vercel.app>

Full-stack portfolio platform with Nest.js and React/TypeScript, featuring real-time widgets (weather, stock assistant, and modern UI components, demonstrating expertise in distributed systems and API integration.

React Project Library · <https://react-project-library-delta.vercel.app>

Enterprise-grade React project showcase featuring production-ready applications (Pomodoro Timer, Real-time Weather Dashboard, Calculator, Todo App). Implemented live demos, interactive code inspection, and robust backend and Row Level Security, showcasing expertise in scalable architecture.

Mithrandir · <https://discord.com/invite/jbFrGxR7>

Sophisticated Discord bot ecosystem with discord.py, OpenAI, and SQLite, implementing 35+ custom commands and systems, demonstrating advanced bot development and AI integration.

Nimbus · <https://weatherlookup.vercel.app>

High-performance weather visualization platform using TypeScript, Webpack, and Canvas animations, integrating real-time meteorological data and responsive design patterns.

Roster · <https://nfl-rosters.vercel.app>

Modern NFL player analytics platform with React, TypeScript, and Node.js, featuring real-time filtering and analytics, Semantic UI and Tachyons.

CRWN Clothing · <https://crwnclothingco.netlify.app>

Scalable e-commerce platform with React, Firebase, and GraphQL, implementing Google OAuth, Stripe payment management with optimized performance.

Proxy · <https://api-symphony-server.vercel.app>

Cutting-edge portfolio project utilizing NestJS for robust API management, serving as an efficient proxy service. The project ensures seamless scalability and high performance, adeptly handling complex traffic demands.

Education

Grossmont College

Associate's Degree Fine Arts, Photography

3.85