Jacob Giamanco

San Diego, CA, USA

📞 +1-619-592-2261 ✉ jacobdeansd@gmail.com 🔗 jacob-giamanco ⭘ jgiamanco 🌐 jacobgiamanco.vercel.app

EXPERIENCE

JG Creative Services — Aug 2019 - Present
Software Engineer | Web Developer | Owner — *Remote*
- 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.

PayPal Inc. — Aug 2021 - Jul 2024
Software Engineer III | Technical Product Manager III — *Remote*
- 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.

Petco — Sep 2020 - Jul 2021
Web Developer — *San Diego, CA*
- 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 — Jun 2020 - Jul 2020
Frontend Web Developer — *Remote*
- 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.

Bluegrace Logistics — Aug 2019 - Mar 2020
UX/UI Software Designer — *Remote*
- 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.

PROFESSIONAL SKILLS

- **Frontend**: JavaScript, TypeScript, React, Text.js, HTML5, CSS3, Tailwind CSS, Sass, Semantic UI, Stylized Components
- **Backend**: Python, Node.js, SQL, REST APIs, NoSQL, Database management, Redux, GraphQL, Web Sockets
- **CI/CD Tools**: Jenkins, Splunk, 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

Grossmont College
Associate's of Fine Art, Photography

PROJECTS

My Portfolio - *API Widget Rich Portfolio*
  • Orchestrated a full-stack portfolio platform with Nest.js and React/TypeScript, featuring real-time widgets (weather, stocks, sports, Discord), an AI chat assistant, and modern UI components, demonstrating expertise in distributed systems and API integration.

React Project Library - *Full-stack Project Dashboard*
  • Crafted an enterprise-grade React project showcase featuring production-ready applications (Pomodoro Timer, Recipe Finder, Markdown Editor, Weather Dashboard, Calculator, Todo App). Implemented live demos, interactive code inspection, and real-time previews with Supabase backend and Row Level Security, showcasing expertise in scalable architecture.

Mithrandir - *Discord.py Bot*
  • Engineered a sophisticated Discord bot ecosystem with discord.py, OpenAI, and SQLite, implementing 35+ custom commands and dynamic trivia systems, demonstrating advanced bot development and AI integration.

Nimbus - *Weather Checking Web Application*
  • Developed a high-performance weather visualization platform using TypeScript, Webpack, and Canvas animations, integrating OpenWeather API for real-time meteorological data and responsive design patterns.

Roster - *Single Page Interactive API Application*
  • Designed a modern NFL player analytics platform with React, TypeScript, and Node.js, featuring real-time filtering and dynamic data rendering with Semantic UI and Tachyons.

CRWN Clothing - *Single Page ECommerce Application*
  • Built a scalable e-commerce platform with React, Firebase, and GraphQL, implementing Google OAuth, Stripe payments, and Redux state management with optimized performance.