KYLE KNAGGS

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EXPERIENCE

Bloomerang / Qgiv: Senior Software Engineer, Remote (Jan. 2021 - Present)

Bloomerang acquired Qgiv in Dec. 2023. Previously Software Engineer / Front-End Engineer. Promoted May 2025.

- Build and maintain features across Bloomerang Fundraising's **Online Donation Form**, **Event Registration Form**, and **Peer-to-Peer Fundraising Platform**, working across both public-facing experiences and the administrative tools nonprofits use to customize their appearance and functionality. Bloomerang processes $1 billion in donations and serves 26,000+ nonprofit organizations across the U.S. and Canada.
- Architected and built a reusable JavaScript/React bridging layer that enabled Bloomerang Payments to integrate with legacy Twig/jQuery interfaces, providing standardized APIs for mounting, lifecycle management, and data exchange. Engineers across multiple teams used the application to deliver 10+ integrations across the platform.
- Architected and built the front-end of a React application that implemented tokenized, cross-origin payment flows across the fundraising platform, supporting both Bloomerang-hosted and customer-configured domains. The architecture isolated credit card fields from customer-supplied JavaScript in an iframe to maintain PCI compliance and was delivered ahead of schedule, before the company's annual PCI audit.
- Built reusable, processor-agnostic front-end integrations for Apple Pay, PayPal, and Venmo that support one-time and recurring transactions and account for 18%+ of transactions across the fundraising platform.
- Led the creation of Express Checkout for Online Donation Forms, building on these integrations to deliver a feature that, when enabled, preserves key donor data while increasing donor conversion by 21%.
- Selected to co-create and present the breakout session "How to Embrace Digital Wallets for Seamless Giving" to 25+ nonprofit professionals at Bloomerang Fundraising's annual customer conference.
- Improved front-end engineering quality by proposing and securing cross-team adoption of standardized style and ESLint rules. Championed smaller, more reviewable pull requests across a team of 9 front-end engineers, establishing more consistent code and review practices across front-end teams.

Advance Foam: Front-End Engineer and Designer, Trinidad & Tobago (Oct. 2016 - Oct. 2019)

- Spearheaded requirements gathering and workflow analysis for an **online ordering platform**, documenting customer and internal order-entry processes and translating them into product specifications.
- Designed high-fidelity UI/UX mockups and architected and built the entire responsive React view layer, iterating with stakeholders to deliver the initial platform within nine months.
- Transformed a manual, phone-based ordering and two-step verification process into a self-service platform that processes 12.5K+ orders annually and automates work previously performed by 2.5 employees. Eliminated follow-up order-verification calls, giving customers a faster, more reliable way to place orders.

TECHNOLOGIES

- JavaScript, TypeScript, React, Redux, Redux Toolkit, HTML/CSS, Sass, Tailwind CSS, Jest, Playwright, Webpack, Git, GitHub, Claude Code, Web Accessibility, REST APIs, Node.js, Express, SQL, MySQL

EDUCATION

- University of Texas at Austin, School of Architecture: Bachelor of Architecture, High Honors, GPA 3.9