Justin Seawell

Senior Software Engineer | Technical Lead

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PROFILE

Senior software engineer with 9+ years building and operating production web applications. Led teams of 4–5 engineers through launches and migrations, solved difficult cross-system failures, and built libraries and applications adopted by other engineering teams. Experienced in mentoring engineers into independent technical ownership.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, SQL, PHP

Frontend: React, Next.js, Vue.js, micro-frontends, Module Federation, HTML/CSS

Backend & APIs: Node.js, GraphQL, Apollo Client, REST APIs, Laravel

Testing & Delivery: Jest, React Testing Library, Cypress, GitHub Actions, Azure DevOps, CI/CD, Sentry, LogRocket

Systems & AI: Real-time event streams, PWAs, software architecture, coding agents, spec-driven development, automated verification

PROFESSIONAL EXPERIENCE

FullStack Labs | Client: MGM Resorts International | Remote | Jan 2021 – Present

Senior Software Engineer / Technical Lead

- Built and launched MGM's web check-in platform in 3 months, integrating reservations, identity verification and payments; supported phased rollout to 20+ properties.
- Led a 4-engineer team to launch web checkout in 4 months, now handling approximately 40,000 weekly sessions across 21 property brands.
- Built the guest-facing deposit-payment application in 88 days as part of a vendor replacement; sole engineer for the first 10 weeks. The payments team later adopted the codebase, with 97% unchanged after five weeks.
- Architected a real-time bell desk PWA and led a team that grew to 5 engineers; the app reached 105 managed phones across at least 4 resorts, with teammates extending its event-stream and device-custody foundations.
- Built a React/Capacitor Android self-service luggage kiosk, privately distributed via Intune to locked-down tablets; the pilot recorded 4,000+ tag submissions in its first 5 weeks.
- Built the core of a shared React analytics library adopted across 9 repositories in 4 organizations; another team continues to maintain it 5 years later.
- Migrated trip management out of a legacy monolith into micro-frontends over 6 months; a separate commerce team subsequently reused the shared component library in 13 components.
- Reduced reservation-query errors affecting 2,000–3,900 weekly sessions to near zero by identifying and fixing GraphQL request-timing failures.
- Diagnosed failures spanning React Module Federation runtime initialization and Akamai/CDN routing, coordinating changes across frontend, platform and deployment boundaries.

- Restored API network capture across 4 guest applications; in a checkout sample, sessions showing first-party API requests increased from 0/25 to 19/25, improving production diagnosis.
- Mentored engineers into independent code review and release ownership for check-in, checkout and trips; a successor completed 138 teammate PR reviews in 2026 and now runs production promotions.
- Developed a GraphQL audit methodology reused by mobile and kiosk teams, informing remediation across product areas; introduced AI-assisted design-to-code prompts reused in other internal applications.

TPS Alert | Jan 2019 – Jan 2021
Software Developer

- Investigated and repaired core business logic in a drug-test auditing platform spanning more than 1 million lines of legacy PHP and JavaScript.
- Re-architected the flagship enterprise application using PHP, Laravel and Vue.js, contributing to more than 100,000 lines of new code.
- Designed and launched a public-facing API in one week, integrating company data into a client's product and maintaining the client relationship.
- Built a custom payment-processor client after identifying issues with the existing integration, saving the company transaction fees.
- Improved page load speed by 10× by fixing an inefficient SQL query generated by the Cake 2 ORM.
- Built and launched a Vue.js data-entry application for 10 internal users, saving the company many hours per week.

Spherexx | Jan 2017 – Jan 2019
Web Application Developer

- Architected and built a JavaScript/SQL learning management platform sold to multifamily real-estate clients and used to train 60+ employees internally.
- Maintained 30+ client websites used daily by thousands of tenants and employees.
- Resolved a date-calculation issue on the Tulsa Route 66 Marathon website during the event, enabling more than 10,000 people to access results and start times.
- Improved and maintained the three largest sites in the company's portfolio, each with its own CMS and thousands of daily visitors.

EDUCATION

Northeastern State University | Bachelor of Science in Computer Science