

Ken Reilly

Professional Summary

Technical leader and engineering expert with a strong track record of modernizing legacy systems, leading distributed teams, and driving change through modern best practices and innovation. Skilled at bridging business and technology teams to deliver scalable, secure, and user-centric solutions.

Key Skills

Leadership, Process: Agile/Scrum, CI/CD, Engineering Collaboration, Product Management, Remote Team Mentoring, GenAI Evangelism.

Technical: AWS Cloud, Docker, Node.js, React, SQL & NoSQL, REST API/OpenAPI(Swagger), GraphQL, Postman, Confluence, Jira, Splunk, Elasticsearch, OpenSearch, AWS Bedrock, OpenAI, Claude.

Experience

Technical Consultant / Engineering Lead Sports Finder May 2025 - Present

- Leading modernization of a legacy PHP application to a modular, containerized microservices architecture using Node.js, Next.js, React, Fastify, PostgreSQL, and Docker.
- Established a new API-first strategy with JWT authentication to support web, 3rd party, and mobile app integration.
- Developed a modern React web app using Next.js with a hybrid SSR/CSR architecture.
- Coordinated Heroku migration strategy to support a phased transition from PHP monolith to distributed services, optimizing for cost and team familiarity.
- Introduced caching, DB schema modernization, and consistent enum/data type handling to streamline front-end integration and reduce tech debt.

Platform Engineer Contract Hilton Sept 2024 - April 2025

- Developed and enhanced GraphQL API microservices powering global web and mobile platforms.
- Collaborated with product managers, architects, and developers to improve system scalability, SLAs, and data-driven performance.
- Executed agile workflows on AWS cloud infrastructure with Akamai optimization.
- Launched a GenAI beta project utilizing AWS Bedrock.
- Owned a Node.js internal portal integrating Jira API, AI chat, GraphQL automation, and SSO.

Product Architect Digital River Nov 2020 - August 2024

- Architected the successful launch of 3 large features to enhance our cross-border offering on time and within budget over a 9-month timeline.
 - Web components to simplify our new dynamic local pricing API.
 - Shipping method microservice offering cross-border shipping options.
 - Tax/compliance API integration with Avalara.
- Managed technical pre-sales support, producing compelling GTM demonstrations using GenAI and Reprise, contributing to sales success across verticals.
- Championed OpenAPI automation, API documentation & SDK generation to accelerate onboarding and reduce client developer friction.
- Interacted with Clients, Sales, and Leadership to define the product roadmap.
- Advocate using AI and tools like GenAI, LangChain & GitHub Copilot.

Manager, Solution Architecture Digital River May 2017 - Nov 2020

- Directed a team of highly skilled client-facing Solution Architects.
- Led API improvements & automation through OpenAPI generators, Postman collections, proof-of-concepts & sales demos.
- Research and innovate the technology stack to continuously improve our agile process and simplify the delivery of new features.
- Collaborate with Marketing, Product Owners, Engineers & Developers to evolve the product.

Sr. Solution Architect Digital River Nov 2015 - May 2017

- Worked directly, including time on-site/campus, with enterprise clients like Adobe, EA, HTC, Microsoft, NVIDIA, Samsung, Symantec & Ubisoft.
- Lead Architect on the company's first headless REST API commerce solution.
- Worked closely with the Samsung dev team (Node.js) and our internal API engineers (Java), including three months on-site in Bellevue, to meet an aggressive four-month deadline.
- Successfully launched new headless API web store and native Android/iOS apps for Black Friday. Samsung's sales tripled to well over \$100 M+.
- Designed and executed pre-order fulfillment solutions for HTC Vive and Samsung Galaxy, delivering global, resilient, high-volume cart, payment, and checkout flows.
- Created external client-facing API documentation (GitBook), technical solution documents, sequence diagrams, wireframes, and functional interactive demo sites & product videos.
- Helped enterprise clients grow their direct-to-consumer business from less than \$10M to \$100M+/yr in sales.

Technical Architect for Engineering Digital River May 2012 - Nov 2015

- Drove modernization of full-stack API centric architecture for Digital River's e-commerce platform.
- Integrated microservices backend (Node.js) with dynamic frontend architecture (Angular, Dust.js).
- Enhanced dev experience through scalable tooling, DevOps, and tools like GitHub, NPM & Docker.
- Key driver in implementing Digital River's modern responsive web design. Forbes recognized Digital River as ahead of the curve compared to other e-commerce providers.
- Completed competitive analysis for e-commerce best practices for user experience.

Manager, Experience Engineering Digital River Aug 2005 - May 2012

- Manage our global engineering team (Ireland, Germany, India & Taiwan) to develop client solutions that fit the platform & engineering capabilities.
- Extensive e-commerce knowledge in user experience, SEO, page optimization, conversion, analytics, globalization & integration complexity.

Education University of Wisconsin - Stout

- B.S., Industrial Technology: Graphic Communications Management
- Graduated Summa Cum Laude

Hobbies And Interests

Self-hosting (Proxmox HA, Docker, Home Assistant, Cloudflare), AI/VR tinkering, youth hockey & tennis.