

Rob Dahl

Full-Stack Software Engineer | Product-Focused Web & Platform Engineering

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Full-stack software engineer with 8+ years of experience building React, TypeScript, Node.js, and GraphQL applications across enterprise products, search, compliance, identity/authentication, and internal platforms. Known for turning ambiguous business needs, legacy systems, and cross-team constraints into dependable product experiences that are easier to use, ship, and support.

Skills

Core Stack	TypeScript, JavaScript, React, Node.js, Nest.js, GraphQL, HTML, CSS
Cloud & Data	GCP, AWS, Docker, Kubernetes, Pub/Sub, SQL, MongoDB
Supporting	React Native, Electron.js, Flutter, Python, Java
Developing With	C#, .NET, ASP.NET Core, WinForms, Dapper, SQL Server

Experience

Software Engineer | **Keller Williams Realty**

Dec 2021 - May 2026 | Remote

React, TypeScript, Flutter, GraphQL, Java, CMS, GCP Pub/Sub, MongoDB, PingOne, DaVinci, OAuth 2.0, CI/CD

- **Release Delivery:** Delivered 32 multi-platform releases in a year across web, CMS, search, and mobile-dependent workflows.
- **Authentication & Identity Platform:** Recognized as the team SME for PingOne, DaVinci, and OAuth 2.0 authentication patterns, shipping a client/token layer in ~30 days ahead of a 12,000-attendee onsite event with signed JWTs, shared public key verification, and server-side refresh tokens for forced logout.
- **Search Migration:** Drove the Agent Search migration across Flutter Web, Handlebars CMS, and the React Command platform, preserving filtering behavior and GraphQL payload compatibility while improving SEO and performance.
- **Discovery & Risk Mitigation:** Led technical discovery for a major platform transition, auditing cross-repository dependencies, clarifying requirements with Product and Scrum leadership, and surfacing integration risks early enough to improve planning and team alignment.
- **Cloud Infrastructure & DevOps:** Improved event-driven platform reliability by resolving GCP Pub/Sub payload issues and Cloud Function bottlenecks, while strengthening MongoDB Atlas access and CI/CD build pipelines.
- **Enterprise Compliance Architecture:** Engineered MLS compliance logic to maintain legal parity across web and mobile platforms, reducing violation risk through dynamic data rendering pipelines.

Software Developer | **RTC Group Inc.**

Nov 2017 - Dec 2021 | Orlando, FL

React, Electron.js, IIS Express, MySQL, SQLite, PHP, JWT, HTML, CSS, JavaScript, jQuery

- **Tablet POS App:** Engineered a Windows-based Point of Sale application supporting local e-commerce operations, order workflows, and in-store transactions.
- **Credit Transaction Portal:** Modernized a legacy web app by migrating the frontend from PHP to React, implementing JWT authentication and advanced data sorting for transaction workflows.
- **Inventory Platform:** Revamped web and mobile interfaces to improve accessibility and inventory workflow usability.
- **IT Help Desk Tool:** Designed and developed an internal support workflow application that improved issue tracking, ticket management, and resolution times.

Projects

Customer Order Management System

Built an order, invoicing and payments system in C#/.NET where an ASP.NET Core MVC web app and a .NET Framework 4.8 WinForms client share one domain model and Dapper data layer over a SQL Server schema owned by T-SQL migrations and stored procedures. Includes CSV import, five reports, and 297 tests run in CI against a SQL Server container.

Job Search Dashboard

Developed a self-hostable Next.js/TypeScript job tracker with deterministic offline posting extraction, configurable fit scoring, and application tracking, plus optional multi-provider LLM analysis, 177 tests, and a hosted demo.

Paper Trace - F1 Telemetry Explorer

Built a Formula 1 lap-comparison app with a Python/FastAPI/NumPy analysis service over the official FastF1 timing archive and a Next.js/TypeScript front end with hand-authored SVG charts, plus a disk artifact cache (19.1s cold to 0.47s cached), 185 pre-built session snapshots so the site runs with the backend off, 107 tests, and a hosted demo.

Certifications & Education

Professional Scrum Product Owner I (PSPO I) | Scrum.org | Credly

2026

MongoDB Developer Training | MongoDB | Credly

University of Central Florida | AA, Computer Science Program

Orlando, FL