

Rob Dahl

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Summary

Senior Software Engineer with 8+ years of experience building full-stack web applications, event-driven services, identity integrations, and cloud-backed platforms. Strong background in React, TypeScript, Node.js, GraphQL, GCP, and PingOne/DaVinci, with a track record of leading delivery, modernizing legacy systems, and helping cross-functional teams ship reliable product work.

Skills

Core Stack: TypeScript, JavaScript, React, Node.js, Nest.js, GraphQL, HTML/CSS/LESS

Cloud & Data: GCP, AWS, Docker, Kubernetes, Pub/Sub, SQL, MongoDB

Supporting: Dart, Flutter, React Native, Electron.js, Handlebars, Python, jQuery, MySQL, Proxmox, PingOne DaVinci

Experience

Keller Williams Realty

Dec 2021 - May 2026

Software Engineer

Remote

- **Release Delivery:** Delivered 32 multi-platform releases in a single year, maintaining a consistent deployment cadence that met 100% of organizational delivery milestones, while managing the technical complexity of multi-platform updates.
- **Identity Lead:** Served as the go-to SME for **PingOne** and **DaVinci**, designing secure authentication patterns and unblocking teams across web and mobile integrations.
- **Search Migration:** Drove the "Agent Search 2.0" migration, transitioning complex filtering and **GraphQL** payloads from **Flutter** Web to a **Handlebars** CMS to optimize SEO and performance, as well as the separate Unified Listings Search (ULS) migration in the **React** Command platform.
- **Discovery & Risk Mitigation:** Led the PORT initiative's technical discovery, auditing cross-repository dependencies to preemptively identify and resolve critical integration risks during a major organizational shift.
- **Team Enablement:** Partnered with Product and Scrum leadership to facilitate Agile ceremonies and drive operational continuity, ensuring development velocity remained unblocked and high-quality through organizational transitions.
- **Cloud Infrastructure & DevOps:** Optimized event-driven architectures by resolving complex **GCP Pub/Sub** payload issues and **Cloud Function** bottlenecks. Drove technical audits to streamline **MongoDB Atlas** access and accelerate **CI/CD** build pipelines.
- **Enterprise Compliance Architecture:** Engineered critical MLS compliance logic to ensure legal parity across web and mobile platforms, designing dynamic rendering pipelines for restricted data and off-market attribution.

RTC Group Inc.

Nov 2017 - Dec 2021

Software Developer

Orlando, FL

- **Tablet POS App:** Engineered a Windows-based Point of Sale application using **Electron.js**, **IIS Express**, and **MySQL** to streamline local e-commerce transactions.
- **Credit Transaction Portal:** Modernized a legacy portal by migrating the frontend from **PHP** to **React**, implementing JWT authentication and advanced data sorting.
- **Inventory Platform:** Revamped web and mobile UIs using **HTML**, **CSS**, **JavaScript**, and **jQuery** to improve system accessibility.
- **IT Help Desk Tool:** Designed and developed a centralized ticketing tool using **Electron.js** and **SQLite**, improving issue tracking and resolution times.

Projects

Peak Pulse Lead Generation

2026 - Present

- Architecting a modernized data pipeline to replace legacy spreadsheet workflows, utilizing **Node.js**, **PostgreSQL** (**Supabase**), and third-party APIs (Outscraper, Lob) for programmatic direct mail fulfillment.

Data & Virtualization Lab

2024 - Present

- Developing a real-time **Python** and FastF1 data visualization app, hosted on a custom-engineered **Proxmox** hypervisor environment to securely host and isolate network services, including Home Assistant, Pi-hole (DNS sinkhole), and dedicated game servers, complete with automated backup orchestration.

Training & Education

Professional Training

Keller Williams Realty

- Flutter Training (Very Good Ventures), MongoDB Training (Credly), Agile Training (Agile Velocity)

University of Central Florida

Orlando, FL

AA - Computer Science Program