

# Rob Dahl

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[github](#) | [linkedin](#) | [website](#)

## SUMMARY

Senior Software Engineer with 8+ years of experience and a proven track record of technical agility, independently navigating and migrating complex architectures across React, Flutter, Handlebars CMS, and various backend ecosystems. Expert in executing secure identity management integrations and optimizing performance across high-volume, event-driven microservices.

## 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 | SQLite | Proxmox | PingOne DaVinci

## EXPERIENCE

### Keller Williams Realty

Dec 2021 - May 2026

Software Engineer

Remote

- **Velocity & Delivery:** Drove the end-to-end delivery of 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 the authentication patterns and unblocking other squads to ensure secure, cross-platform authentication flows.
- **Core Search Architecture:** Key contributor for 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.
- **Strategic 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 & Operational Excellence:** 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

- 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