

# Robert Moore

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## SUMMARY

Seeking a Summer 2027 software engineering internship. Software developer intern at Motio, working in Java, Spring Boot, React and PostgreSQL. Independently built and shipped understandball.com, a live NBA trade evaluation platform.

## EDUCATION

### Milwaukee School of Engineering

B.S. Computer Science

Expected May 2028

Milwaukee, WI

## TECHNICAL SKILLS

**Languages** Java, Python, TypeScript, JavaScript, SQL, C++

**Frameworks** Spring Boot, React, Next.js, Node.js, Vite

**Data** PostgreSQL, Hibernate, Flyway

**Testing** JUnit 5, Vitest, pytest

**Tools** Git, GitLab CI, GitHub Actions, Docker, Maven, Salesforce

## EXPERIENCE

### Motio

Software Developer Intern

May 2026 – Present

Dallas, TX (Remote)

DevOps tooling for business intelligence platforms, covering version control, automated testing and deployment for Cognos, Power BI and Qlik.

- Build integration layers for Purge Pilot, a data-retention service written in Java, Spring Boot, React and PostgreSQL. It finds records across third-party systems, deletes them once a person confirms, and produces a tamper-evident record of what it removed.
- Own the helpdesk and CRM connectors end to end, covering OAuth 2.0 with token caching, rate-limit backoff, query translation and paginated record crawling. Wrote 29 of the 34 production files across the two.
- Fixed three separate causes of silent record loss in keyset pagination over a search index that lags its writes, where both over-deleting and under-deleting were unacceptable, and documented the exact point where the guarantee stops holding.
- Own 74% of the operator console frontend, building a designer's mockup out into a reusable component library, and introduced Vitest and Testing Library where the frontend had no test setup at all.
- Authored roughly 40% of the backend test suite.

### American Campus Communities (Chauncey Square)

Community Assistant

May 2023 – Aug 2025

West Lafayette, IN

- Closed 25+ twelve-month apartment leases, more than \$300,000 in signed lease value at roughly \$13,000 per contract, tracking every lead in Salesforce from first inquiry to signature.

### Dive Division

Master Scuba Diver Trainer & Lead Instructor, Coral Estates site

Jun 2022 – Aug 2022

Curaçao

- Ran the Coral Estates dive location as its only instructor, responsible for all teaching and guided diving plus the shop's daily operations, sales and cash.
- Certified more than 50 students in a single season and led several hundred guided dives.

## PROJECTS

### UnderstandBall

Java 21, Spring Boot, React, Vite, Vitest, JUnit, Docker, Vercel

understandball.com

- Built and shipped a live NBA trade evaluation platform that grades each side of a trade against what that team is actually trying to do, whether rebuilding, contending or retooling, rather than against one league-wide scale.
- Wrote a fully deterministic scoring engine, with no model inference in the scoring path, so that every grade is reproducible and can be explained back to the user in plain language.
- Maintain 9,129 tests in a GitHub Actions CI pipeline, covering the scoring engine and the cap rules it enforces.

### Jarvis

Python 3.12, Typer, Pydantic, pytest

github.com/RMNighting/Jarvis

- Built a command-line router that dispatches tasks across three LLM provider subscriptions, selecting by task type and falling back down a chain when one is unavailable, covered by 994 tests that spend no quota.

## CERTIFICATIONS

PADI Master Scuba Diver Trainer (MSDT) · Emergency First Response Instructor (CPR, Emergency Oxygen, AED)