

Matthew Walden

Software Engineer at State Farm

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EXPERIENCE

State Farm | Software Engineer May 2024 - Present

Enterprise Technology Intern, May 2024 | Engineer I, Jan 2025 | Engineer II, Sep 2025

- Leading a cutover to more stateless enrollment processing for Drive Safe & Save® Business. The redesign has removed about 40,000 lines of legacy code while retaining timing-dependent ordering. The middleware supports vehicle and driver enrollment, consent, vendor account setup, and policy lifecycle changes.
- Led the migration of 18 JavaScript services into a TypeScript monorepo, reducing duplication and improving maintainability.
- Created an internal developer platform for event search and visualization, logs, replay, enrollment insights, and team tooling.
- Migrated a legacy React enrollment UI to Next.js, defining authentication, data display, and caching patterns. Built integration tests for AWS Lambda and SQS middleware.
- Coordinated Terraform and platform dependencies for production readiness. Wrote a ROSA migration guide used by other enterprise teams.

Bloxlink | Full-stack Developer (Contract) Jun 2021 - May 2024

- Developed the API and web application for a platform serving 2.5 million monthly active users, using TypeScript, Node.js, Next.js, MongoDB, and Redis.
- Built Roblox OAuth2 verification and Discord administration workflows; integrated Chargebee subscription billing and entitlements.

PROJECTS

ReAdmin | Founder & sole developer Source available since Aug 2026

- Founded a full HR and operations platform for Roblox communities: hiring, staff records, team hierarchies, approvals, time tracking, session summaries, live chat, and remote administration. Reacquired it from Bloxlink and restarted it with Anthony in 2023 as the sole developer.
- Built the Next.js/tRPC dashboard, Roblox module, and backend. The hosted platform recorded 793 million session events across 12 million play sessions, with 17 million group audit records.
- Designed data models for inexpensive operation and fast access to years of activity. Worked around restrictive Roblox APIs to sync tens of thousands of users; ingested bulk game data and deduplicated retried batches.
- Closed the hosted service and made the code source available under PolyForm Noncommercial, with data export/import for self-hosting.

Time2Bike | Developer · Software & timing hardware 2025 - Present

- Building a bike race management platform covering event setup, registration, payments, volunteers, check-in, live timing, results, and series standings.
- Built the infrared timing system used at Truett McConnell University's 2026 dual slalom race. The platform also supports offline check-in.

EDUCATION

Jacksonville State University | Bachelor of Science in Computer Science May 2026 - Completed

Outstanding Graduate in Computer Science; Founder and President, Jax State Cycling Club.

Georgia Tech | Master's in Computer Science · Online Spring 2027 - Incoming

SKILLS

Core: TypeScript, JavaScript, React, Next.js, Node.js, tRPC, Fastify, Lua
Data: MongoDB, PostgreSQL, Redis / Valkey, OpenSearch
Infrastructure: AWS Lambda, SQS, SNS, S3, Terraform, Docker, Kubernetes, Linux, GitHub Actions, GitLab CI