Noah Cagle

Software Developer

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Projects

MCDB: Java backend in Minecraft · Source · Demo

- Built a Java plugin that accepts SQL-like queries over HTTP and reads data stored as Minecraft wool blocks. Wrote the JavaScript for MCSocial, a demo social website that uses the plugin to serve pages, posts, and uploaded files from the Minecraft world.
- Implemented user registration and token-based authentication; added server-side authorization to check the request's token against the post's owner before allowing deletion.

DecaFit: iOS workout tracker · TypeScript, Expo, React Native, SQLite, Supabase

- Built and shipped an iOS workout tracker, now archived. Saved reps and weights in SQLite before cloud writes; queued offline changes for signed-in users and replayed them at the next connected launch before importing workout history from Supabase.

FoodFight.IO: Multiplayer game infrastructure · Go, Godot, Fly.io, Vultr

- Directed design and testing of Go matchmaking and server management services for a collaborative Godot game; agents wrote most of the implementation. Chose temporary Fly.io matches while Vultr servers booted. An eight-hour synthetic load test recorded zero player losses across 21 handoffs.

Hannah Montana Linux: Debian 13 remaster · Source · Walkthrough

- Built and released a Debian 13 remaster, published its build source, and explained the process in a release video. Tom's Hardware covered the release.

Technical Skills

Languages: Java, TypeScript, JavaScript, Go, SQL, Rust
Tools and platforms: React Native, Expo, SQLite, Supabase, Git, Linux, Godot

Education

Middle Tennessee State University · Murfreesboro, TN
Professional Computer Science · August 2024–present

Experience

Amazon: Fulfillment Associate, BNA3 · September 2026–present
Pick items for customer orders.

YouTube: Content Creator · Channel · August 2025–present
Create educational videos explaining software projects and their technical decisions.

Walmart: Overnight Stocker · Murfreesboro, TN · January 2024–September 2026
Unloaded incoming freight and kept display shelves stocked and organized.

Awards

- **Hacker's Choice Award**, HackMT, Middle Tennessee State University, 2025
- **1st Place, Java Programming**, Indiana State Business Professionals of America, 2019 and 2020