Matthew Topham

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Summary

Computer Science student at CU Boulder building full-stack AI and mixed-reality learning tools. Experienced in React, TypeScript, Supabase, Node, and Python. Passionate about fast prototyping, automation, and agentic AI systems.

Technical Skills

Languages: TypeScript, JavaScript, Python, SQL, Bash
Frameworks: React, Node.js, Vite, Tailwind, Supabase, Express
Tools: Docker, GitHub Actions, Linux, Vercel
Other: Unity (VR), REST APIs, OAuth, Postgres, SignalR

Projects

School of the Ancients (Web + VR) — React/Vite, Supabase, Node, Unity
Created a voice-driven Socratic learning platform emulating historical mentors. Implemented auth, quest/lesson creation, and RLS-backed database. Deployed to Vercel with full-stack CI/CD.

MarketBot — Python, Supabase, TopstepX API
Built modular trading pipeline using GPT decision logic, live SignalR feed, and adaptive strategies. Integrated real-time chart analysis, logging, and performance review system.

Cosmos Validator Automation — Python, Docker, Bash
Automated backup, monitoring, and alerting for a Cosmos-SDK validator. Created scripts for failover and on-chain analytics using Prometheus and Telegram bots.

Experience

Self-Employed | Delivery Automation Developer — Boulder, CO (2025–Present)
Automated Grubhub task acceptance & navigation using Tasker and Google Maps intents. Improved delivery efficiency and safety with hands-free mobile process automation.

Education

University of Colorado Boulder — B.A. Computer Science (Expected May 2027)
Front Range Community College — A.S. Computer Science (2025)