

MICHAEL USHER

Boonton Township, NJ 07005 | 973-270-5503 | michaelusher00@gmail.com
github.com/michaelusher | linkedin.com/in/michael-usher-266238179 | michaelusher.io
U.S. Citizen • Open to onsite, hybrid, or remote (NY/NJ metro) • Willing to relocate

SUMMARY

Software developer with an M.S. in Business and Information Systems and a B.S. in Computer Science (Minor in Data Science). Sole developer on a production Shopify storefront, builder of mobile apps in React Native and Flutter, and creator of a Python RAG system deployed to Azure and AWS; owns GA4/GTM analytics for a live e-commerce site and builds ML models on financial data. Open to full-stack, web, mobile, AI/ML, data science, and data analytics roles.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Java, C, C++, C#, Go, PHP, SQL, R, Dart, Liquid, HTML/CSS

Web & Mobile: React, React Native (Expo), Node.js, Next.js, Flutter, Socket.IO, Shopify, Stripe API, Supabase, Firebase, Vercel

AI/ML: RAG pipelines, embeddings and vector search, LLM APIs (Azure OpenAI, Bedrock), ridge regression, feature engineering

Data Science & Analytics: Time-series analysis, Theil-Sen trend modeling, Tableau, visx dashboards, GA4, Google Tag Manager

Cloud & Databases: Azure (AI Search, OpenAI), AWS (OpenSearch, Bedrock), infrastructure-as-code, PostgreSQL, MySQL, SQL Server

Tools: Git, GitHub, Jira, Linux (Fedora, Ubuntu), Windows, VS Code, PyCharm, Microsoft Office, Google Workspace

EXPERIENCE

JavaScript Web Developer — 945 Industries

Remote | Mar 2026 – Present

- Full-stack ownership of a production Shopify storefront (JavaScript/CSS, Liquid templating, back-end integrations); self-taught Liquid and ramped up on an unfamiliar codebase with minimal handoff.
- Web development: shipped a dynamic cart upsell drawer, Favorites/compare system, and multi-select collection filtering; fixed production defects such as variant/price drift and bundle-pricing rendering.
- Data-driven engineering: built product configurators that read JSON manifests and metafields to compute compatible options, bundle identifiers, and live pricing across parent/child product families.
- Data analytics: instrumented GTM/GA4 e-commerce events via Shopify Custom Pixels, audited the resulting data, and fixed a parent/child SKU attribution gap that was skewing product reporting; maintain Google Merchant Center feeds.
- AI/ML: integrated and configured an AI chat widget for product support; also integrated Judge.me reviews and AvantLink affiliates.

Consultation Agent — Geek Squad

Bridgewater, NJ | Jan 2025 – Mar 2026

- First point of contact for tech support: diagnosed hardware/software issues across Windows, macOS, iOS, and Android.

Software Developer Intern — RiverData App

Remote | Jan 2023 – May 2023

- Mobile development: designed, built, and tested React Native screens (JavaScript, Expo) consuming real-time river-data feeds.

Software Developer Intern — FIXDUP Tech & Repair

Remote | Sep 2022 – Dec 2022

- Full-stack web: built a repair shop's React cart and checkout end-to-end with Stripe API integration and order-status updates.

TECHNICAL PROJECTS

knowledge-keeper — RAG Knowledge Preservation System | Python, FastAPI, LLMs, Hybrid Vector Search, Azure / AWS, Terraform / Bicep

- RAG pipeline ingesting PowerPoint, Word, PDF, and Markdown with provenance (author, date, slide/page) preserved from file to cited answer; incremental hash-based ingestion, hybrid vector + keyword retrieval, CLI and HTTP API.
- Analysis layer uses LLM extraction to flag corpus-wide risks — undocumented topics, single-author “bus factor,” stale docs, cross-document contradictions — in a generated report; pluggable providers deploy to Azure or AWS via Terraform/Bicep.

Bitcoin & Gold ML Dashboard — Website | React, Vite, Express, Recharts, Yahoo Finance API, Ridge Regression

- Full-stack web app: React front end with live BTC/gold prices (5-second polling), interactive Recharts price and BTC/gold-ratio charts, and a purchase-date gain/loss calculator; Express proxy for the Yahoo Finance API.
- ML engine written from scratch in JavaScript: 5 indicators (log return, RSI-14, momentum, relative volume) aggregated into a 15-feature vector, ridge regression trained per horizon (1h–6mo), and directional accuracy tracked against realized prices.

Logos | React Native, TypeScript, Supabase, Vercel

- iOS social app (React Native) with end-to-end-encrypted real-time messaging and public posts; Supabase backend.

BudgetingApp | Dart, Flutter

- iOS budgeting app (Flutter, built for cross-platform) with financial guidance and 3D interactive spending visualizations.

EDUCATION

M.S., Business and Information Systems — New Jersey Institute of Technology

May 2026

B.S., Computer Science; Minor in Data Science — Drew University

May 2023