

Nicholas Carter

Python, SQL, real-time pipelines, ML training and inference, and AI model governance

Sarasota, Florida · Open to senior/staff engineering roles and selected client work

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Summary

I'm Nicholas Carter, a software engineer with 20+ years across web, mobile, and backend development. At AgileThought, I delivered software for Deloitte and Bankers Surety. At Mad Mobile, I led retail application delivery. My work now extends into data systems and AI infrastructure.

Professional experience

Verdict / Independent · Independent Engineer — AI Infrastructure & Data Systems

2023 – Present · Florida

Build AI developer infrastructure and full-stack data systems, from routing policy and API integrations to real-time pipelines and operator interfaces.

Designed and shipped Verdict, a Python-first LLM control plane with TypeScript integrations, explicit eligibility checks, decision receipts, replay, and failover workflows.

Built CLI and API workflows for catalog qualification, routing, simulation, benchmarking, health probing, and compatibility checks.

AgileThought · Senior Consultant

Jan 2018 – Nov 2023 · Tampa / St. Petersburg, FL

Shipped React features for Deloitte's Symphony platform and owned major portions of Bankers Surety's next-generation platform—from C# services and Angular UI to integrations, build pipelines, and release support.

Shipped React-based features on Deloitte's Symphony platform in collaboration with product, UX, QA, and engineering teams.

Owned major portions of Bankers Surety's next-generation platform across C# services and middleware, Angular UI, API integrations, and build pipelines.

Mad Mobile · Senior Software Developer, Team Lead

Jul 2016 – Jan 2018 · Tampa, FL

Led web and mobile delivery for VF Corp's Concierge MPOS across brands including Vans, Timberland, and The North Face. Also contributed to Sysco inventory and ordering applications, while mentoring developers and coordinating delivery.

Delivered VF Corp Concierge MPOS across US and European brands including Vans, Timberland, and The North Face.

Contributed to Sysco inventory-management and conversational ordering applications, connecting user experiences to backend APIs and business workflows.

Blue Cross Blue Shield of Michigan · Senior Web Developer / Senior Web Designer

Oct 2013 – Jul 2016 · Detroit, MI

Led front-end development for Member Portal R2, bringing responsive interfaces, reusable patterns, and WCAG accessibility practices to member-facing healthcare software.

Built responsive interfaces and reusable front-end patterns with Backbone, jQuery, Adobe CQ/CMS, HTML5, and CSS3.

Partnered with UX, product, content, and engineering teams on WCAG accessibility, cross-browser support, and maintainability.

Compuware · Senior Software Developer

Mar 2013 – Jul 2013 · Detroit, MI (Contract)

Developed and supported GM infotainment software in a cross-platform environment.

Worked with HTML5, AngularJS, Node.js, WebSockets, and SOAP service integrations.

Supported QA and release tooling, defect triage, and cross-platform troubleshooting.

Wayne County · Motor City Interactive · Enlighten · Summit Sports · Earlier Engineering Roles

2006 – 2012 · Michigan

Built the foundation of my career across CMS, intranet and portal, e-commerce, and interactive web applications.

Developed applications with JavaScript, PHP/MySQL, reusable UI components, and server-side integrations.

Worked with enterprise content-management platforms and publishing workflows.

Selected public work

Verdict · Choosing models within limits

An AI model can rank first and still be the wrong choice for a request. I built Verdict to check capability, privacy, reliability, and policy before ranking, with a receipt that explains each routing decision.

Project status: The repository includes a credential-free routing demo with simulated failures. It uses fixtures, not live providers.

Python · policy gates · receipts · failover

Prediction Market SDK · Keeping market data in sync

Market feeds need more than an open connection. I built typed Kalshi API workflows, reusable order-book state, and WebSocket subscription and reconnect handling so applications can work with the data instead of rebuilding the plumbing.

Project status: Kalshi signing, order workflows, and market-data handling are tested. Polymarket signing and live-order safeguards are still limited.

Python · AsyncIO · WebSockets · msgspec

Verdict Risk · Checking risk before action

Risk rules should be testable without placing a trade. This library separates drawdown, position, exposure, and sizing checks from storage and network calls, keeping each decision deterministic.

Project status: Property-based tests exercise the risk rules. This is a library of checks, not a trading system.

Python · risk gates · Hypothesis · OpenTelemetry

Capabilities

AI & data engineering

- Python & SQL
- PostgreSQL & Redis
- Data pipelines & replay
- LightGBM & model inference
- Feature engineering
- LLM routing & governance

Backend & APIs

- C#
- Node.js, Express & Koa
- FastAPI & AsyncIO
- REST & GraphQL
- WebSockets
- Typed contracts & integrations

Platform & leadership

- Docker, Linux & GCP
- CI/CD & security gates
- Solution architecture
- Client & stakeholder collaboration
- Code review & mentoring
- Agile delivery & release support

Education

Lakeland High School, White Lake, MI

High School Diploma, General Studies · 2005