

Raphael Samuel

Full-Stack Engineer, Data Infrastructure & AI Agent Tooling

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SUMMARY

Full-stack engineer with 6 years across Go, TypeScript, and Python, focused on data infrastructure and AI agent tooling. Ships production systems end-to-end: schema-first extraction pipelines, versioned data platforms, and native MCP servers that let AI agents query, clean, and act on structured data directly.

SKILLS

Languages: Go, TypeScript, Python, JavaScript

Focus Areas: Full-stack development, API design, AI/LLM integration, MCP servers, data pipelines & versioning, web extraction & automation

Tools & Practices: REST/GraphQL APIs, schema-first data modeling, agent-facing tooling, solo end-to-end product delivery

PROJECTS

Quorel *var-raphael.vercel.app*

Versioned data extraction platform with native AI agent access

- Built a schema-first extraction pipeline turning any public website into a structured, versioned dataset from a plain-English field description
- Nightly refresh saves every change as a queryable version, so users see what changed over time, not just current state
- Shipped a native MCP server on every dataset, letting Claude or any MCP-compatible agent query, clean, and fix data directly, publishing corrections as new reversible versions

VarsityLine

Verified admissions data platform

- Cross-checks university admissions data against official sources for accuracy, with timestamped "last confirmed" records on every entry
- Search, filter, and export by university or course; subscription alerts on admission updates via email and Telegram

Skim

AI-powered PDF summarizer

- Independent product shipped end-to-end, from data layer to user-facing interface
- Targeted, page-by-page summarization instead of a single generic wall of text

Wildpalace SEO PLP

Shopify app for automated SEO product listing pages

- Generates SEO-optimized Product Listing Pages directly from keyword intent, replacing manual per-listing copywriting
- Plugs into existing Shopify stores, turning an ongoing content task into an automated pipeline

Full project details, live demos, and source code available at var-raphael.vercel.app