Nicholas (Nico) Stranquist

Senior Software Engineer | Developer Platforms & AI Infrastructure
St. Louis, MO | nicostran@gmail.com
linkedin.com/in/nstranquist | github.com/nstranquist | nstranquist.github.io

Summary

Senior Software Engineer with 8+ years of experience, focused on developer platforms, AI tools, Go, and TypeScript. At Bayer, onboarded 100+ teams to Backstage and cut new-service setup from hours to minutes through golden paths and templates.

Skills

Languages & Data: Go, TypeScript, JavaScript, Python, Swift, SQL, PostgreSQL, SQLite
Platform & APIs: Backstage, REST APIs, GraphQL, Node.js, Docker, CI/CD, AWS, GCP, Azure, Cloudflare
AI Engineering: LLM integration, RAG, AWS Bedrock, LangChain, LangGraph, MCP, Claude Code, Cursor

Experience

Independent / Open Source *Software Engineer* Mar 2026 – Present

- Open-sourced 10+ developer tools in Go, TypeScript, and Swift and shipped 50+ GitHub releases with automated tests and runnable demos.
- Built agent-ops for local AI-agent activity records and SessionPressure to admit or defer concurrent work based on CPU, memory, and swap pressure. Both tools use Go.

Bayer Crop Science *Software Engineer* Jan 2021 – Mar 2026

- Built Bayer's Backstage developer portal from greenfield, onboarded 100+ teams, and served 1,000+ developers across 30,000+ repositories.
- Created golden paths, software templates, and scorecards that cut new-service setup from hours to minutes. Added custom AI integrations to the portal.
- On Bayer's AI-Native Engineering team, oversaw the company-wide Cursor and GitHub Copilot rollout to 1,000+ developers, plus Claude Code trials.
- Built the TypeScript SDK to embed Bayer's generative-AI assistant into other web apps, with MSAL sign-on and cost tracking. Built AI workflows with AWS Bedrock, LangChain, and LangGraph.
- Shipped customer-facing digital agriculture applications and backend services with TypeScript, React, Node.js, Python/FastAPI, GraphQL, and PostgreSQL on AWS, GCP, and Azure.

Enhearten Telehealth *Full-Stack Software Developer* Sep 2019 – Jan 2021

- Delivered three HIPAA-oriented web and mobile healthcare apps for addiction-treatment clinics.
- Increased team delivery speed by 33% by introducing daily standups and test-driven development. Improved app responsiveness with React/Redux client-side caching.

EduRain *Full-Stack Software Developer* Jul 2018 – Dec 2019

- Launched production web and mobile apps for a scholarship startup, including an NLP microservice.

Selected Projects

docs-puller github.com/nstranquist/docs-puller

- Built and open-sourced a Go/SQLite FTS5 docs search CLI with a no-account live demo. Its public BM25 search evaluation of 24 queries over 24 pages achieved 95.8% Hit@1 and 100% Hit@5.

Nicos Catalog github.com/nstranquist/nicos-catalog

- Built and open-sourced a local-first software catalog engine in Go (Apache-2.0) for a 3,400+ entity estate. It has provider plugins, typed entities, relationship search, deterministic tests, and drift checks.

Education

University of Missouri-St. Louis | B.S. Computer Science | 2021