# Nicolas Turano

Staten Island, NY • turano.dev • github.com/nickTurano • linkedin.com/in/nicolas-turano-003263127

## PROFESSIONAL SUMMARY

Senior Software Engineer with 8+ years at Johnson & Johnson building internal AI tools and platforms that engineers actually adopt. Founding member of the XENA platform team, now serving 4,500+ engineers. Own enterprise AI tooling end to end: deploying the services, building the shared integrations (MCP servers, agent skills, and a multi-tenant LLM gateway processing 100M+ tokens monthly), and shipping the CLI that gets teams running in one command. Owned GitHub Copilot from day one, scaling it to 4,600+ developers with self-serve provisioning, cost visibility, and team onboarding.

## PROFESSIONAL DEVELOPMENT

**Anthropic — Frontier Deployed Engineer (FDE) Residency** *12 weeks, in progress*

- **FDE Academy (agentic system design, technical discovery, evals, Agent SDK)** capped by a simulated customer deployment: ran stakeholder discovery interviews, built a deployment plan, and delivered a working PoC.

## TECHNICAL SKILLS

**Generative AI & Agents:** Model Context Protocol (MCP), RAG, Agent Plugins & Skills, LLM Gateways (LiteLLM), AWS Bedrock & AgentCore, Strands SDK, Temporal, Azure OpenAI, GitHub Copilot, Claude Code, Token & Cost Management

**CI/CD & Automation:** Jenkins, Groovy, ArgoCD, GitOps, GitHub Actions

**Cloud & Infrastructure:** AWS (EKS, EC2, RDS, Lambda), Kubernetes, Docker, Terraform, AWS CloudFormation

**Development:** Python, Go, Node.js, React.js

**Security & Quality:** Wiz, SonarQube, Checkmarx, JFrog Xray

**Methodologies:** Platform Engineering, Developer Enablement, DevOps, Infrastructure as Code, Agile, Inner Source

## PROFESSIONAL EXPERIENCE

**Johnson & Johnson** Raritan, NJ

**Senior Software Engineer, XENA – Generative AI** *May 2024 – Present*

- **Owned the enterprise GitHub Copilot rollout from day one, scaling it to 4,600+ active developers and counting,** with nearly 1M lines of AI-suggested code accepted per day. Built custom provisioning workflows, automated license management, and self-serve cost tracking and budgeting tools that let project owners see team spend and manage their own limits, and partnered with GitHub's platform engineering team on enterprise scaling constraints, influencing their product roadmap.
- **Technical lead for the XENA Generative AI workstream,** which owns enterprise AI tooling end to end: we deploy the services, build the shared integrations, and ship the CLI that gets developers running. Drive architecture decisions, lead code review, onboard new engineers, and direct embedded contractors' backlog and deliverables.
- **Designed and shipped XENA GenAI Bridge,** a multi-tenant LLM gateway processing 100M+ tokens monthly across 100+ teams. Migrated from an in-house gateway to LiteLLM and built a key

broker that issues short-lived, per-team virtual keys, with usage attribution and cost-allocation chargebacks: the access-controlled layer internal AI tools build on.

- **Developed and shipped Model Context Protocol (MCP) servers for enterprise AI agents,** including Atlassian servers (Jira, Confluence, Bitbucket) that give agents context-aware access to tickets, documentation, and source code. Now building a RAG-backed knowledge server over XENA platform documentation so engineers and their agents get grounded answers about the platform.
- **Contributed to XENA CLI** (1,300 active users, 50,000+ monthly executions), shipping one-command onboarding that auto-configures hosted MCP servers, agent skills, and instructions, plus automated cloud-credential retrieval and Kubernetes debugging utilities.
- **Standardized internal AI tooling on agent plugins,** bundling skills, MCP server connections, and instructions into installable packages, with shared conventions for tool descriptions, input contracts, and ticket quality that make agentic coding outcomes predictable.
- **Enhanced XENA AI PR Agent to 65,000+ annual executions** on AWS AgentCore, the Strands SDK, and durable Temporal workers, delivering automated code review and security feedback inside the PR workflow.
- **Integrated LLM-powered build-failure analysis into Jenkins Pipeline Manager** across 12,000+ repositories, helping developers resolve 3,000+ failures monthly with root-cause analysis and fix suggestions surfaced in their CI workflow.

**Software Engineer, XENA – Cloud Native** *June 2022 – May 2024*

- **Architected XENA Jenkins Pipeline Manager (JPM),** a shared Groovy library adopted across 12,000+ repositories that reduced each Jenkinsfile to one import and a declarative YAML manifest, with standardized build, test, security-scanning, and deploy stages.
- **Built a self-service Infrastructure as Code pipeline** (Terraform with policy validation, drift detection, and compliance scanning), cutting AWS provisioning from weeks to hours.
- **Led technical consulting on the Itential migration to Kubernetes,** advising the team behind the enterprise network-automation platform on high availability and operational readiness.

**Software Engineer, TLDP DevOps** *June 2019 – June 2022*

- **Founding member of the XENA platform team,** establishing the DevOps standards and self-service tooling that grew into the platform serving 4,500+ engineers.
- **Onboarded and trained engineering teams across the enterprise** on XENA CI/CD practices and cloud-native deployment patterns, accelerating migration from legacy on-premise infrastructure to AWS.
- **Migrated legacy applications to AWS** using Kubernetes, Terraform, and GitOps patterns, building reusable infrastructure modules adopted by subsequent migrations org-wide.
- **Built a self-service URL shortening application** with automated DNS and certificate management, cutting branded link creation from days to minutes across the enterprise.

## EDUCATION

**Drexel University** Philadelphia, PA

M.S. Cybersecurity | B.S. Computer Engineering, 2019

*Began at Johnson & Johnson via two rotational engineering co-ops, 2017–2018.*

**Interests:** Trading card games; active seller on TCGplayer and Manapool for 2 years