Narek Ter-Martirosyan

Senior Software Engineer

Internal tools | Applied AI | Engineering infrastructure

Yerevan, Armenia | +374 41 918484
narek.ntm@gmail.com | linkedin.com/in/narekntm

Hands-on engineer building internal tools, AI workflows and reusable engineering infrastructure. Owns systems from investigation and architecture through implementation, delivery and maintenance. Experience spans cross-repository dependency intelligence, CI orchestration, performance infrastructure and platform migration readiness.

Experience

Senior Software Engineer, Test

ServiceTitan | Nov 2023 - Nov 2026

Technical ownership across engineering tools, automation infrastructure and product platform migration readiness.

- Built a cross-repository dependency intelligence service that scanned approximately 1,800 organization repositories daily and maintained evidence-backed relationships between services, APIs, models and packages.
- Integrated the service through MCP into a GitHub Actions PR review workflow using Claude Code. Cross-repository impact analysis flags potential dependency breakage and identifies repositories that may need companion changes before merging.
- Evolved a personal AI skills initiative into a shared framework available organization-wide, with reusable skills, plugins and publishing conventions for engineering workflows.
- Owned the reusable architecture of a performance testing and orchestration suite. Modelled workloads from production usage data covering approximately 2,500 tenants, identified bottlenecks and worked with developers to validate fixes ahead of migration.
- Moved TeamCity configuration into version-controlled repository configuration and improved the standalone Cypress architecture. Built dashboards for pass rates, coverage, ownership and test flakiness.
- Led validation and migration readiness across teams as thousands of tenants move from monolithic product functionality to a standalone platform. Interviewed and selected a senior QA engineer, delegated work and provided technical guidance and performance feedback.

QA Automation Engineer

ServiceTitan | Jan 2022 - Oct 2023

- Established automation for a product team, then supported a product feature area's extraction into standalone services and its integrations with external partners.
- Combined source-code investigation, logs, requirements and dependency analysis to understand service behavior and diagnose issues across unfamiliar codebases.

Narek Ter-Martirosyan

Senior Software Engineer

Independent engineering

Dodd

AI workspace and engineering operations

- Designed and developed a personal AI workspace over roughly seven months, combining project knowledge, task management, MCP tools, a dashboard and scheduled workflows.
- Separated reusable core functionality, extension packs and workspace configuration; iterated on releases and migrations to support different machines and workflows.

AI Plant Health Analysis

Backend service for agricultural SaaS

- Built a TypeScript / NestJS backend integrating vision models from GPT, Claude and Gemini, returning structured plant-health assessments. Evaluated response quality, validity, latency and cost.

Proxmox home lab

Application infrastructure and operations

- Built and maintain infrastructure for multiple applications using Proxmox, Docker, Terraform and Ansible.
- Integrated monitoring dashboards, logging, authentication, Cloudflare tunnels and custom domains, with automated builds, tests, deployment verification and health checks.

Paranoids

Full-stack portfolio platform

paranoids.world/

- Built a Next.js, React and NestJS application for a 3D artist, including authenticated administration, content management and media uploads.
- Handled containerized deployment, automated builds and backend tests, custom-domain setup and Proxmox hosting through Cloudflare.

Earlier experience

QA Automation Engineer

Energize Global Services | Oct 2021 - Jan 2022

Automated testing for a large banking application.

Troubleshooting Specialist / QA Automation Engineer

Globbing | Feb 2019 - Oct 2021

Investigated customer issues, tested releases and features, and built JavaScript automation. Read source code to understand behavior, diagnose defects and propose improvements.

Technical strengths

JavaScript / TypeScript; Node.js; React / Next.js; NestJS; MCP integrations; Claude Code workflows; GitHub Actions; TeamCity; Cypress; k6; Docker; Proxmox; Terraform; Ansible; Cloudflare; Grafana / Prometheus. Source-code investigation, dependency analysis, technical direction and mentoring.