Mario Ruiz Sánchez

Senior Software Engineer (platforms, LLM, MCP)

Based in Reykjavík since 2005; also lived in Madrid, Paris, and New York. Open to Reykjavík and remote-from-Iceland.
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SUMMARY

Work at senior IC scope: I own SmartBot for 800+ employees across 30+ time zones. I build the platforms other engineers actually use — Slack, web, JSON API and MCP tooling (**560k+** interactions). I take messy operational work and turn it into commands, dashboards, APIs and agent tools other people actually run.

Awarded the NetApp Public Cloud Excellence Award (Most Innovative Employee) in 2021, for SmartBot.

Outside work: a bilingual book of poems and music albums, published under a pen name in 2026.

HOW I WORK

I ship through agents (**Cursor**, **Claude Code**, **Claude Desktop**, and other MCP clients, plus an **MCP** server I built). I design, review, and operate; the implementation loop is part of the product. The same ANF analyzers are one structured payload for Slack, SmartBot Web, and IDE agents — not three separate tools.

EXPERIENCE

Software Engineer — NetApp

Nov 2018 – present

NetApp · Reykjavík

- **MCP + JSON API (May 2026).** One structured surface for ANF analyzers so Slack, SmartBot Web, and IDE agents (Cursor, Claude Code, Claude Desktop) share the same payload.
- **LLM in Slack.** Team ChatGPT sessions with a team knowledge base as context; natural language for 50+ commands (ANF Sessions launch Aug 2025). **40k+** LLM session calls.
- **SmartBot platform.** Extensible Slack + web automation I designed and still operate. 250+ commands, **800+ employees**, 150+ Slack channels, 30+ time zones. Commands cover general work such as team management, plus product commands. Channel-local rules so teams can automate daily work from desktop or mobile Slack. SmartBot put LLM tools in Slack for 800+ employees, cutting repetitive ops work and speeding how teams ship.
- **Azure NetApp Files and Cloud Volumes Service.** The same command and API-test pattern as Azure NetApp Files also runs for Cloud Volumes Service (CVS) on AWS and Google Cloud.
- **Scheduled jobs, not only on-demand.** A large share of volume is routines: region health, test-location analysis, and scheduled workflow triggers.
- **SmartBot cleanup service.** A SmartBot cleanup service people run in Slack — plus web UI, REST and dry-run — to delete stale Azure test resources. It **contributed to $2M+** in cloud cost reduction.
- **API tests from the spec.** I built tools that generate API tests from the product OpenAPI/Swagger, so the suite stays in step with the spec instead of being written by hand.
- **API tests / SmartBot Web.** Own the test and operations stack: TypeSpec-aligned OpenAPI, change-impact detection, multi-region coverage. SmartBot Web from scratch (Oct 2025): basic tests, cleanup service, analytics, tutorials — so tests and cleanup do not depend on asking me in Slack.
- Unblock global teams on urgent incidents; mentor; review PRs. Record tutorials so the tools stay used.

EXPERIENCE (CONTINUED)

Test Automation Framework Developer

Oct 2007 – Aug 2018

NOVOMATIC Lottery Solutions · Iceland

- Company-wide test framework and internal tools (Ruby, Sinatra): browsers, REST, databases, and message queues, plus a web runner to schedule suites, browse tests, and see statistics.
- Utility libraries: RAML import and mocks, Postman → tests, on-demand web services.
- Origin of several public libraries (`open_api_import`, `create_tests`, `nice_http`, `nice_hash`, `string_pattern`) and the HipChat bot that later became Slack SmartBot.

OPEN SOURCE

Libraries on RubyGems · **3.5M+** combined downloads as of Sep 2026. Profile: github.com/MarioRuiz · rubygems.org/profiles/MarioRuiz

Gem	Role	Downloads
string_pattern	Test-data factories from patterns / regex	2.9M+
slack-smart-bot	Extensible Slack bot (core of SmartBot)	162k+
nice_http	HTTP/REST client for testing	141k+
nice_hash	Hash/JSON generation for API tests	140k+
open_api_import	Swagger / OpenAPI → request hashes (3.1)	110k+
create_tests	Generate RSpec tests from those request hashes	42k+
timify	Elapsed-time measurement for slow spots in code	12k+
oas_parser_reborn	OpenAPI 3 parser (maintained fork)	12k+

Older public SmartBot videos: youtube.com/@SmartBot-run — ChatGPT, Share Sessions, REPLs, Teams.

EDUCATION

Computer Science
Universidad de Extremadura, Spain · 1992–1996

SKILLS

MCP · Cursor · LLM (Slack sessions, Claude Code, Claude Desktop) · Agentic workflows · Internal developer platforms · Slack apps · OpenAPI / Swagger 2–3.1 · TypeSpec · Azure · Google Cloud · AWS · REST · Python · JavaScript · Sinatra · Ruby · Go · Crystal · RSpec

LANGUAGES

Spanish (native) · English (professional) · Icelandic (elementary)