

Victor García

Backend Engineer · Infrastructure operator · AI-platform builder · Founder @ Totem Labs Forge

vikgm.dev@gmail.com | linkedin.com/in/vikgmdev | github.com/vikgmdev | vikgmdev.com/about | @vikgmdev

Products: totemlabs.io · eraastrology.ai · forgetty.dev | Spain · moving to Mexico Oct 2026

Detailed CV with architecture specifics available on request for engaged discussions.

SUMMARY

A decade as a backend engineer first - NestJS, Node.js, TypeScript, GraphQL, microservices. On top of that: years of hands-on infrastructure at bare-metal scale, and the last ~2 years going deep on AI. Senior engineer with the architecture background AI needs to actually ship something real. Two parallel tracks today:

(1) Infrastructure at scale - Range Security. Own an end-to-end platform surface on a bare-metal fleet managed through a harness-driven Ansible workflow (Spec → Build → QA audit trail on every change). **Kubernetes from scratch** with HA control plane, eBPF data path and observability, GitOps-driven deployment, and central secrets management with short-lived credentials. **Multi-cluster Elasticsearch** with a production v7 → v9 migration shipped zero-regression. **Redis Cluster** with a full hardening playbook. Production **Kafka** with end-to-end authentication and per-consumer authorization. **PostgreSQL HA** with automated DR restore testing on a dedicated recovery host (DR verified weekly, not hoped-for). Self-hosted access management with custom RBAC, session recording and short-lived certificates. Federated **Prometheus + Grafana + Alertmanager**. Author and maintainer of docs.range.org - API references, MCP tool catalog, Claude Code + Cursor integration guides.

(2) AI-platform in production - Totem Labs Forge LLC. Production **Model Context Protocol (MCP) server** exposes domain queries to AI agents at live scale. Shipped **ERA** (eraastrology.ai, live on Google Play since April 2026) on a three-tier AI stack (runtime inference + multilingual translation + offline content generation via local CLI - zero recurring model cost). Built a multi-agent **Forge harness** - Plan → Build → QA subagents with mandatory `simplify / audit-rust / audit-security` passes, per-task git worktrees, overnight autonomous mode - that lets a solo operator hit parallel-team throughput: shipped ~38K Rust LOC of [Forgetty](https://forgetty.dev) in 24 days with no prior Rust experience.

Core stack: NestJS, TypeScript, Node.js, Kubernetes, Ansible, Kafka, PostgreSQL, Redis, Elasticsearch, MCP. Blockchain experience is operator-grade (Cosmos / Stellar / XRPL EVM node operations) - not pitched as a core-protocol specialist.

EXPERIENCE

Totem Labs Forge LLC (Delaware)

Nov 2022 - Present

Founder & Engineer · totemlabs.io

Product studio for full-stack AI-first products. Solo design, build, ship and operate - all under a custom multi-agent **Forge harness** for AI-multiplied delivery.

- **ERA** - Cosmobiology AI app (eraastrology.ai), live on Google Play since April 2026. Monorepo spanning backend API, web app, Android via Capacitor, 3D celestial-sphere visualization, and auth/cosmology services. **Three-tier AI stack**: runtime inference for chat/interpretation (rate-limited per user), multilingual translation layer, and offline content generation via a local CLI for all SEO and share-card content (zero recurring model cost). Custom **Cosmobiology** interpretive system - a transmitted methodology developed across 30+ years of practice. Custom Swiss Ephemeris WASM wrapper; natal + progressed + life-timeline charts. 360+ prerendered SEO pages, `llms.txt`, daily transit cron + push notifications.
- **Forgetty** - GTK4 terminal emulator in Rust (forgetty.dev · github.com/vikgmdev/forgetty), MIT, v0.1.0-beta. **~38K Rust LOC / 159 commits in 24 days** (peak 60 commits/day) with no prior Rust experience. Daemon-first architecture (15 locked ADs): PTY + byte-log + session persistence in daemon; renderers own VT parsing via FFI. Binary length-prefixed wire protocol (replaced base64+JSON for latency wins). 486 bundled themes, command palette, session restore, socket API for automation.
- **Forge harness** - competitive advantage as a solo operator. Three-phase subagent-isolated workflow: **Plan (spec + acceptance criteria) → Build (code + mandatory simplify / audit-rust / audit-security passes) → QA (human-in-the-loop, scored 1-10 on five axes, binary pass/fail)**. Per-task git worktrees enable 3-5 parallel feature sessions; overnight autonomous mode completes tasks unattended with deferred QA. Methodology behind Forgetty and ERA shipping at solo-founder velocity.
- **Totem Control Center** - internal infra dashboard monitoring the fleet via standard metrics, remote kubectl, and supervised process management.
- Incorporation via Stripe Atlas; operator of all company infra.

Range Security (Consultant)

June 2023 - Present

Senior Backend / DevOps Engineer · app.range.org

Own the infrastructure surface of a multi-network blockchain security platform. Contribute to APIs and data pipelines across on-chain indexing, alerting, risk scoring, screening and real-time analytics.

Infrastructure surface

- **Bare-metal fleet at scale** managed from a single Ansible repo driven by a three-phase harness (Spec → Build → QA) with per-task audit trails.
- **Kubernetes from scratch** - HA control plane, eBPF-based data path and observability, GitOps-driven deployment with per-environment application sets, and central secrets management with short-lived, scoped credentials. No secret ever in Git. Reproducible via a small set of bootstrap scripts.
- **Multi-cluster Elasticsearch** - drove a production **v7 → v9 migration end-to-end** across every service with a custom shape-compare utility as the safety net (zero regression).
- **Redis Cluster + dedicated per-service instances** with an end-to-end hardening playbook, per-workload tuning, and paging on health-signature anomalies.
- Production **Kafka** with end-to-end authentication and per-consumer authorization - streaming backbone for on-chain data, alerts, notifications.
- **PostgreSQL HA** with streaming replication, off-provider backups, and **automated DR restore testing** on a dedicated recovery host (DR verified weekly, not hoped-for).
- **Analytical storage** for aggregation workloads; object storage across clusters behind a network-segmentation change that cut inter-node metadata latency materially.
- **Multi-chain node ops** across Cosmos, XRPL EVM, Stellar - operator-grade, not core-protocol dev.
- **Network posture**: private overlay for internal workloads, strict host-level firewalling, CDN + WAF + zero-trust ingress.
- **Access control**: self-hosted access manager with custom RBAC, session recording, short-lived certs and break-glass keys enforced fleet-wide.
- **Observability**: federated metrics + dashboards + alerting (routed to Slack + PagerDuty), distributed tracing, log aggregation.

API (NestJS) + MCP

- Primary NestJS + TypeScript codebase. Feature modules, REST controllers, entities, and **MCP (Model Context Protocol) resolvers**.
- Polyglot persistence: Postgres, multi-cluster Elasticsearch, graph storage - designed the NestJS + Cypher API powering app.range.org/trail over hundreds of millions of on-chain events - Redis (multi-instance cache + rate-limiting + webhook storage).
- CI/CD: GitHub Actions + rolling Ansible deploys into the Kubernetes fleet, vault-injected secrets at deploy time, GitOps sync.
- Authored and maintain docs.range.org end-to-end - auto-generated API references, MCP tool catalog (21 tools), wallet-investigation playbook, Claude Code + Cursor setup guides.

Exodus Movement, Inc. (Exchange Squad)

Aug 2021 - Nov 2022

Senior Backend Engineer

Upgraded the cryptocurrency exchange service powering the Exodus wallet. Delivered a **10x reduction in rate-building times**.

- Co-designed a new exchange core as a set of microservice APIs.
- Shipped a private npm package interface to manage crypto pair rates and exchanges.
- Led platform migration to TypeScript for tighter tracking of in-flight exchange orders.
- Built the rate-building + caching API for many crypto pairings with complex business rules and compatibility logic.
- Owned the **GraphQL API Gateway** - a pivotal component of the service infrastructure.
- Contributed to the pricing-providers service, ensuring up-to-date pricing across many assets.
- Instituted unit, performance and integration test suites across the stack.

Stack: Node.js, TypeScript, PostgreSQL, Redis, Ethereum / Bitcoin RPC, Dapps, Solidity, smart contracts.

Wizeline

March 2019 - July 2021

Senior Software Engineer - Technical Lead (Crypto Exchange) + Backend (EdTech Platform)

- **Crypto Exchange:** Designed a base codebase to sign, verify, send and track crypto transactions - scaled from **3 months to 3 weeks lead time** for new asset integrations; **50+ assets delivered**. Dockerized and deployed production blockchain nodes in C/C++, Go, Java, JavaScript and Rust. Explored, decoded and integrated on-chain data for a new blockchain every ~2 weeks (ERC20, TRC20, many other standards).
- **Educational Social Platform:** Built a gateway pattern over a microservice architecture using Node.js + GraphQL. Designed REST and real-time APIs (Node.js, TypeScript, Express, AWS, MySQL, MongoDB). Deployed via CodeBuild, CodePipeline, Docker, Terraform, Kubernetes and other AWS services.
- Recognized as one of the first **Blockchain Experts** at Wizeline. Coached junior engineers. Led the first **Blockchain 101 academy - 80+ attendees**. Conducted Node.js hiring interviews.

Mantix4

Dec 2017 - March 2019

Security Engineer

- Architected and developed real-time intelligent security software.
- Self-learned Big Data technologies and ML algorithms on the job.
- **Stack:** Kafka, Spark, Spark MLlib, Scikit-Learn, AWS, ELK Stack, network IDS tooling.

Software House Mérida · DaCodes · InReal · Nublogin

Sep 2014 - Dec 2017

Full-Stack / Android / AR Developer (early career)

- **Mantix4 + Optech4D:** cybersecurity + big-data microservices; Android app with WebRTC (screen sharing, voice/video recording, real-time video conferencing).
- **DaCodes:** Shipped 7+ Android apps to production on the Play Store (Material Design, Java, Retrofit). Designed an internal Android architecture used as a template for follow-on projects.
- **InReal:** Built 2D/3D AR experiences with Vuforia SDK + Unity3D.
- **Nublogin:** First professional role; shipped Android and web apps.

SKILLS

Languages: TypeScript, JavaScript, Go, Rust, Java, Python, Solidity, C/C++ (at node-compile depth)

Backend & APIs: NestJS, Node.js, Express, GraphQL, REST, WebSockets, microservices, gateway patterns, **Model Context Protocol (MCP)** servers

Data: PostgreSQL (HA + DR-tested), MongoDB, MySQL, **Redis Cluster + hardening playbook**, graph databases, **Elasticsearch (multi-cluster, v7 → v9 migration-proven)**, ClickHouse, object storage

Streaming & Messaging: Apache Kafka, RabbitMQ

DevOps & Platform: **Kubernetes from scratch** (HA control plane, eBPF data path, GitOps-driven), Ansible (harness-driven), Docker, k3s, GitHub Actions, Terraform, central secrets management, self-hosted access management, CDN + WAF, bare-metal fleet ops, CI/CD design

Observability: federated Prometheus, Grafana, Alertmanager, distributed tracing, log aggregation, AI-powered runbooks

Cloud: bare metal with VLAN segmentation, AWS (CodeBuild, CodePipeline, general services), Cloudflare Pages

Blockchain (operator-grade): Cosmos / Tendermint node operations, Stellar, XRPL EVM; Ethereum, Bitcoin, Solana RPC integrations; on-chain indexers; smart contracts, Solidity

AI / LLMops / AI-multiplied engineering: **MCP servers in production, multi-agent Forge harness** (Plan → Build → QA subagents + overnight autonomous mode + per-task git worktrees), three-tier AI stack design (runtime + translation + offline generation), Claude Code orchestration across Forgetty / ERA / Range infra / Range docs, Mintlify docs with AI-agent integration guides

Documentation / DevRel: Mintlify (authored docs.range.org end-to-end), OpenAPI-driven reference generation

Frontend: React, Vite, Tailwind, Three.js, Angular, Capacitor for mobile

EDUCATION

Self-taught. Continuous learning through production systems, open source, running Totem Labs, and internal academies (ran one, attended many).