Sayan Naskar

Platform engineer · Tool tinkerer · India

nascarsayan@gmail.com github.com/nascarsayan linkedin.com/in/nascarsayan nascarsayan.github.io

Cluster platform at Cerebras, lately GPUs. Use AI effectively to constantly switch to new priority deliverables. Always improving guardrails, hooks and helpers so agents follow rules by design, not skills alone: automate the AI away. Every fix, experiment or feature gets a validation harness: one fast binary, deterministic runs on real or simulated systems. Lean tools over bloated ones (Rust, Go, TypeScript), with real UX care, even CLIs. Currently learning deep learning, LLMs and GPUs from first principles.

EXPERIENCE

Cerebras Systems · Software Engineer, Cluster Platform — Aug 2025 – Present

k8s · Helm · Argo CD · Go · Rust · Ceph · Akeyless · Envoy Gateway · NVIDIA GPU Operator

- Owned **Akeyless secrets management** end to end: automated install, injector delivery, safe across blue-green upgrades and domain changes. Scale-tested to **2,000 pods**; on-call runbooks.
- Moved core services off imperative installs to **Helm + Argo** (control plane, job operator, ping mesh, webhook → Kyverno). Built a **k8s state-diff tool** (Go) + parity harness proving both installs match.
- **Blue-green upgrades**: per-batch node groups, clear failure states, safe cancel, no duplicate runs.
- Built the **node readiness controller** + coordinated containerd/kubelet restarts; fixed Ceph restarts corrupting CephFS mounts; NGINX → Envoy Gateway; registry health checks via HAProxy.
- **GPU bring-up for disaggregated inference**: NVIDIA GPU Operator as a platform app, ARM64 ports for DGX Spark, simulated NVL72 racks to test without hardware, AMD MI355X node onboarding.
- Team agent skill for Argo conversions (+3k lines) and a guide to common AI conversion mistakes; drive Claude/Codex across tickets, PRs and CI with parallel agents and adversarial AI reviews.
- 70+ merged PRs, ~370 commits, 100+ tickets, 70+ design docs and runbooks in 15 months.

Microsoft · Software Engineer II, Azure Arc — Jul 2020 – Jul 2025

Go · k8s · C# / .NET · PowerShell · Azure · VMware · Prometheus / Grafana

- Core dev on the **k8s operator behind Azure Arc for VMware and SCVMM**, first commit to **GA (Nov 2023)**. Inventory sync 36 → 9 min; guest-agent install failures halved via SSH/WinRM fallbacks.
- Onboarded 30+ customers (2,000+ VMs), success **65% → 92%**. Fixed vCenter session leak upstream in CAPV; owned the Azure CLI extensions and onboarding scripts; mentored two interns.

THINGS I BUILT

Personal developer CLI — Single Rust CLI (~50k lines, 230+ commits) replacing my pile of shell and Python scripts: worktree per branch, ssh picker carrying my shell to any cluster node, CI results fed back to agents, Claude Code ↔ chat bridge, agent guardrail hooks, prompt archive with secret redaction.

Docs site + diagram framework — Built in a week to explain clusters: typed specs, auto layout, animated step-through flows. 150 diagrams: reviews, incidents, GPU explainers; teammates cloned it.

Smaller tools — VSCode extensions easing review of agent diffs and large core refactors, zero-dependency Raycast-style Chrome launcher, Rust live-dataviz server, a few apps for friends.

EARLIER

- **Dhanotree**, founding engineer (2016–19): college startup; built and sold a pharmacy POS (Vue, React, Node, GraphQL); ran our own infra on DigitalOcean: git, chat and mail servers, nginx, Let's Encrypt, serverless sites.
- **Samsung R&D**, intern (2019): web app and CLI to view and version image-annotation datasets with git.

EDUCATION & SKILLS

Education	IIT Kharagpur — Dual Degree (B.Tech + M.Tech), Computer Science, 2015–2020
Languages	Go, Rust, TypeScript, C#, PowerShell, Python
Platform	Kubernetes (k8s), Helm, Argo CD, Envoy, Ceph, Prometheus, Grafana, Azure
Tooling	Claude Code, Codex, Astro, React, Vue, Node, Bun, VSCode extensions
Certs	Cisco CCNA Routing & Switching, CCENT