

Shinto C V

Senior Platform Engineer ·
Blockchain RPC
Infrastructure

CONTACT

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ONLINE

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LOCATION

Kerala, India · remote

CERTIFICATIONS

Certified Kubernetes
Administrator

§ SUMMARY

Senior Platform Engineer with 10 years in production infrastructure, at **Tatum** since 2022. Specialized in operating high-availability blockchain RPC platforms across Kubernetes and bare metal, with end-to-end ownership from GitOps and automation through observability and reliability. Comfortable from L7 routing down to storage snapshots and chain-client internals.

10

YEARS INFRA

50+

CHAIN FLEETS

GCP · AWS

+ BARE-METAL

§ EXPERIENCE

Cloud Platform Engineer

2022-06 → present

Tatum.io · Blockchain-as-a-Service

Co-owner of the production RPC platform: node fleets, routing, observability, GitOps, on-call.

- **scale** Operate 50+ blockchain node fleets (Polygon, Ethereum, Bitcoin, Solana, BSC, Cosmos) on Kubernetes and bare metal, full lifecycle from rollout to incident response.
- **routing** Contributed to moving platform-API and chain-RPC admission from nginx-Lua to Envoy Gateway (Gateway API, extAuth) with the SLO budget intact through cutover.
- **gitops** Authored the progressive multi-region rollout patterns on ArgoCD ApplicationSets, and the runbooks for their failure modes.
- **discovery** Designed unified service discovery (Consul) across Kubernetes, Nomad, and bare metal: 60 members, 200+ RPC/WS endpoints.
- **upstream** Chase production bugs down into the chain clients themselves and fix them upstream: Erigon PR #22877 (non-deterministic eth_estimateGas, a cancellation race on a shared EVM).
- **tools** Built the internal tooling layer: vitals snapshot CLI, dashboards-as-code, ZFS-snapshot rollback for chain upgrades, MR-review knowledge base.

Senior DevOps Engineer

2021-02 → 2022-05

BlueEHR · Healthcare EHR

Sole DevOps engineer on an AWS-native stack. Took the platform from no CI and no monitoring to a working IaC and observability foundation.

- **ci/cd** HA Jenkins on Kubernetes via JCasC; Gitflow, peer review, and IaC introduced as engineering practice.
- **o11y** Prometheus, Grafana, and Loki: the first real observability the team had.

Software / Infrastructure Engineer

2020-01 → 2021-02

Freelance · short-term engagements

Short-term cloud and DevOps contract engagements.

DevOps Engineer

2019-07 → 2020-01

InfraCloud Technologies · Consulting

- **chaos** Resiliency testing with chaos-toolkit; Consul KV sidecar POC for hot-reload configuration.
- **k8s** Python tooling against the Kubernetes API for cluster-component health verification on deploy.

DevOps Engineer

2016-08 → 2019-06

Impelsys India

Part of the team that introduced DevOps practices org-wide: containerized legacy Java applications onto Kubernetes, built the shared Jenkins pipeline platform, and owned the CI/CD migrations end to end.

Software Engineer

2015-10 → 2016-07

Impelsys India

Built ezmarc.com with a teammate: a Python/Flask API converting book metadata to MARC records.

§ OPEN SOURCE

Erigon #22877 · Fix non-deterministic eth_estimateGas

2026 · merged

Go · concurrency · EVM

A watcher goroutine could cancel the shared EVM after its own probe finished, aborting the next probe with err == nil, so the gas binary search converged below the true minimum. Replaced it with context.AfterFunc plus a joined stop(); added a 200-call determinism test. Writeup →

SGLang #36649 · Enable trtllm-gen sparse decode on GB10 / DGX Spark

2026 · merged

CUDA · PyTorch · inference

The sparse-attention decode gate excluded sm_121, so GB10 fell to a fallback kernel that aborted at CUDA graph capture and the model could not serve. Widened the gate; verified on 2x DGX Spark serving Qwen3.8-Flash-Next. Writeup →

§ TECH STACK

CLOUD

GCP AWS OVH bare-metal

ORCHESTRATION

Kubernetes Nomad Docker

IAC / GITOPS

Terraform Ansible ArgoCD Helm Kustomize

ROUTING

Envoy Gateway nginx Consul GCP Global LB

OBSERVABILITY

Prometheus Grafana Loki SLOs

CI

GitLab CI Jenkins (JCasC) GitHub Actions

LANGUAGES

Python Bash Go Groovy

BLOCKCHAIN

EVM (Erigon/Geth/Bor) BTC Solana BSC Polygon Cosmos

§ PROJECTS

2015 · Python / Flask / MARC

ezmarc.com

Co-designed and shipped as a fresher: a Python API converting book metadata into MARC library records.

2025 → · Claude Code skills, memory systems, ft bookmarks classifier

LLM-assisted internal tooling

Custom skills and memory persistence for a working developer; X/ Twitter bookmarks classifier (ft) for personal knowledge management.

Certified Kubernetes Administrator

CKA · The Linux Foundation

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