Kashish Sahu

Backend Software Engineer | Node.js, Go, MySQL, Redis | Performance and Reliability
Mohali, Punjab, India (open to relocation and remote) | +91 9417144613 | kashish@plutolab.org
linkedin.com/in/kashish-sahu | github.com/gitKashish | plutolab.org

Summary

Backend software engineer with nearly 2 years scaling Node.js services on MySQL and Redis for a multi-tenant marketplace SaaS (peak 9K requests/min, 70K DB queries/min). Focused on database performance, latency, and incident response; one of three final backend reviewers; upstream contributor to go-ini, Playwright, Forgejo, and Zed.

Experience

Jungleworks (Yelo) — Mohali, Punjab, India
Associate Software Engineer, Full Stack — *Jan 2025 – Present*

- Promoted from Trainee in 6 months; one of three engineers with final backend merge authority (200+ PRs reviewed).
- Cut a hot-path query from **6.8s to 5ms** with targeted indexing and reduced read-replica slow queries by **70%**, clearing a 9-month partitioning backlog via zero-downtime migrations (Percona Toolkit).
- Rewrote a crash-prone legacy API with cyclic data loops, reducing active MySQL connections from **1,200+ to 300–700** and p95 latency from **76ms to 48ms** at peak load.
- Contained a distributed bot attack of **120K+ fake accounts** within **15 minutes**; shipped a K6-tested, Redis-backed multi-tenant rate limiter with live configuration and alerting the same day.
- Own Yelo's billing system end to end: recovered commission on ~**42K transactions/month** by auditing billing reports, closed an expiration exploit, and now leading a from-scratch rewrite of the billing engine.
- Found a cross-tenant authorization flaw (token replay in phone verification) in code review; shipped an interim mitigation, drove the vendor fix, and led org-wide remediation of a critical Next.js CVE.
- Prevented a risky migration of ~**100M records** to MongoDB by identifying ID-type and memory issues; designed the lower-cost MySQL partitioning and rolling-retention alternative.
- Sole engineer on a zero-downtime rewrite of the scheduling system (15 APIs, 9.2K LOC); built transaction-safe order modification and Stripe payment orchestration (holds, partial captures, refunds).

Open Source Contributions

go-ini/ini — *widely used Go config library, 3.5K+ stars; released in v1.67.3* — 2026

- Traced a Forgejo startup regression to repeated rune-to-string conversion in `Key.Strings`: **5.2x faster**, ~**87%** fewer allocations, and Forgejo startup CPU time down from **27.8s to 2.1s**, profiled with pprof.

Forgejo and **Microsoft Playwright** — *5.2K+ and 93K+ stars; backported to Forgejo v15 and v16* — 2026

- Fixed a Firefox back/forward-cache bug that left Forgejo forms stuck mid-submit; traced why CI could never catch it to Playwright's browser patches, then documented the limitation in Playwright's guide and API reference.

Zed — *Rust code editor; 4 PRs merged* — 2026

- Fixed multi-cursor case-conversion text duplication, Markdown preview back-navigation, task-list checkbox alignment, and indistinguishable preview tab titles; added regression tests and contributed CommonMark-spec tests to a peer's PR.

Projects

Kosh — *offline-first CLI password manager; Go, SQLite, Argon2id, ChaCha20-Poly1305* — 2025 – Present

- Single static binary with per-profile encrypted vaults and automatic migration; rebuilt search as a multiplicative ranker (Damerau-Levenshtein and subsequence matching) under unit and regression tests.

Klip — *cross-platform Go clipboard library, no cgo* — 2026

- Secret-aware writes that stay out of clipboard history, with clear-on-paste and compare-before-clear.

PlutoLab — *self-hosted infrastructure; Linux, Nginx, Podman, Cloudflare* — 2025 – Present

- Home server running my site, docs, and a Forgejo instance behind a Cloudflare mTLS tunnel, with atomic symlink deploys and instant rollback.

Skills

Languages: Go, TypeScript, JavaScript, SQL | **Frontend:** Angular, Next.js, Svelte
Backend: Node.js, Express, REST APIs, microservices, concurrency, caching, rate limiting, system design
Databases: MySQL (indexing, partitioning, replication, sharding), Redis, Elasticsearch, MongoDB, SQLite
Performance and reliability: query optimization, profiling (pprof), load testing (K6), Percona Toolkit, incident response
Cloud and DevOps: AWS (EC2, S3, SES, IAM), Docker, Podman, Nginx, Cloudflare, Linux, Git, CI/CD

Education

Panjab University, Chandigarh — Master of Computer Applications (MCA), 83.04% — May 2025

A.S. College, Khanna — Bachelor of Computer Applications (BCA), 92.10% — May 2023