

Rushikesh Gaikwad

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TECHNICAL SKILLS

Programming Languages: Go, TypeScript/JavaScript, Python, C/C++

Web & API: Next.js, Node.js, REST, SpacetimeDB, Redis, WebSockets

Testing & QA: Test case design, regression/integration/API tests, Playwright, coverage-gated CI

DevOps/Hardware: GitHub Actions, Docker, Cloudflare Workers, AWS Lightsail, ESP32-S3, RS485/Modbus, HLW8032, Stellar/Soroban

EXPERIENCE & ACHIEVEMENTS

Contract Product Engineer | Ace Power Works (Mar-Aug 2026)

- Solo engineering owner: research, SoC and metering selection (ESP32-S3, HLW8032), architecture, all firmware, backend, and frontend. PCB fab and assembly outsourced to vendor against my schematic and BOM.
- Designed cascade architecture where one PDU masters up to 64 downstream units over 1 Gbps Ethernet, so a single IP serves a whole cluster. Each PDU carries a master PCB plus slave relay PCBs linked by RS485-Modbus for fault isolation; each ESP32 module drives 6 outlets with up to 6 modules per PDU.
- Shipped working system: 1 master + 6 nodes, each controlling 6 relays, Go backend, React frontend and ESP32 firmware with $\pm 1\%$ metering accuracy, write-plus-readback relay verify, per-outlet control and telemetry; 2,800+ Go tests, prototype accepted, first production build in preparation.

Open Source Contributor | 15 merged PRs across 10 repos

- GoAnime (1.1K stars): 4 merged PRs, playback, duration fetcher, Discord RPC; 90% faster startup via fetch refactor, fixed UI hangs with Go concurrency.
- Merged fixes to t3code, CLIProxyAPI and ani-cli (mobile/provider fixes, Codex hang fix on complex tool schemas)

PROJECTS

CodexIn (TypeScript, Redis, Next.js)

- Launched model-agnostic prepaid AI API to 200+ users in 4 days; lifetime 129K requests and ~13B tokens, 18K-request peak day, 22 paying users, 25% 30-day retention (users with usage, active 30+ days post-signup).
- Designed for low latency: in-memory auth cache (~1ms hits), Redis Lua billing (~2ms reserve/finalize), pooled keepalive upstream, instant SSE flush (<10ms added TTFB), Caddy zstd/gzip edge, dashboard served from hot subscription cache.
- Production ops: Caddy blue/green deploys with automated smoke gates that blocked a backend returning 502 and restored the previous release; kill-switches, auditable admin console, Telegram alerts, failed-payload replay.

Curd (Go, CLI, CI/CD) | github.com/Wraient/curd

- Built cross-platform Go anime CLI with 327 GitHub stars, 42 forks and 13K+ downloads; AniList/MAL dual-sync, Discord RPC, mpv and Rofi support.
- Shipped 5-provider fallback with auto-recovery, regression plus live suites, history recovery and automated Linux/macOS/Windows pipelines; fixed AniPub decoy-playlist and AllAnime breakages in production; sole maintainer since Aug 2024 (~580 commits, v2.0.7).

Zexvro (Stellar, React, Express, AWS) | zexvro.in

- Co-builder, Zexvro, 3rd place, Stellar Garage Pune: shipped 6-service Stellar/AWS Web3 platform with contracts live on mainnet; built human-vs-agent capability gate (Express/TS, ~25 routes, JWTs, SDK).

EDUCATION

Ajeenkya D.Y Patil School of Engineering | Pune, India | Expected May 2027

B.E in Computer Engineering

CGPA: 7.6