

SHOTA BOSIKASHVILI

Full-Stack Engineer · Software Engineer · Next.js, NestJS, Production SaaS
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PROFESSIONAL SUMMARY

Full-stack engineer with 4+ years of experience. shipping production SaaS end-to-end — 4 platforms designed, built, and deployed solo with multi-tenant architecture, async workflows, and real payment systems (Stripe, Stripe Connect, Paddle). Comfortable owning a stack from Next.js edge middleware down to PostgreSQL schema design, Kubernetes manifests, and CI pipelines. AI-directed development daily (Claude Code, Codex, Gemini).

EXPERIENCE

Full-Stack Engineer | rebatik.com

2025 – Present

Cashback marketplace with affiliate tracking — rebatik.com · Remote

- **Eliminated balance-drift bugs** — designed a double-entry ledger where balance is never stored, always computed from CREDIT/DEBIT rows; monotonic status transitions enforced at the SQL layer; idempotency keys with unique indexes prevent double-crediting under aggressive affiliate webhook retry storms.
- Integrated 6 affiliate networks (CJ, Impact, ShareASale, Admitad, Awin, FlexOffers) with per-network HMAC verification, UUIDv7 click attribution, normalized webhook adapters, and a nightly reconciliation worker running 9 financial integrity checks.
- **Shipped resilience patterns end-to-end** — circuit breaker (CLOSED -> OPEN -> HALF_OPEN) for external services, sliding-window Redis rate limiter, CSRF double-submit tokens, multi-stage Docker build with non-root runner, and Testcontainers for real Postgres integration tests. 124 unit + 61 integration + 3 Playwright tests.

Full-Stack Developer | westorehub.com

2024 – Present

Warehouse Rental Marketplace — Tbilisi, Georgia · Remote

- **Cut request latency and removed redirect loops** — moved JWT validation to the edge runtime in Next.js middleware (server-side exp checks), eliminating redirect oscillation between /sign-in and /dashboard and reducing round-trips to origin.
- Eliminated 401 auth stampedes with a reentrant-safe refresh-token queue coordinating parallel requests behind a single in-flight /auth/refresh, removing a class of race conditions across the client.
- **Designed the listing and availability subsystem end-to-end** — multi-step Zod-validated wizard, two-month calendar rendering three overlapping date layers, and a conflict-detection service exposed as a dedicated endpoint.
- **Owned build, deploy, and codebase conventions** — multi-stage Dockerfile with heap caps, GitHub Actions CI with 60-second health-check gates, Hetzner deploys; codified a Service -> Hook -> Page convention across 12 domain resources via custom Claude Code slash skills.
- **Collaborated cross-functionally with product, design, and backend teammates using ClickUp, Jira, Trello, and Slack** — daily standups, async PR reviews, and ticket-driven workflows across a distributed team.

PROJECTS

ContractFlow AI | contractflow.social

Finished

AI contract drafts, approvals, Paddle billing

- Shipped streaming AI drafts with provider failover over Server-Sent Events (Gemini -> OpenAI -> deterministic placeholder); durable BullMQ path with persisted DraftJob state machine, 3-attempt exponential backoff, and worker heartbeats. 67 unit + 4 Playwright e2e tests.
- Architected a three-runtime system (Next.js SSR + NestJS API + BullMQ worker) on Railway with internal networking; 12 NestJS domain modules and three independent state machines on Document (status / approvalStatus / generationStatus).
- Rolled custom HMAC-SHA-256 session auth (no NextAuth) with timingSafeEqual verification, nonce-based CSP with strict-dynamic, Redis rate limiting (fail-open), and Cloudflare Turnstile for bot protection.

Lumina Marketplace | [Premium rentals with AI semantic search](https://premiumrentals.com)

Finished

26-table schema, 80+ endpoints, 8-language i18n

- **Delivered sub-second search on 100K+ rows via a three-tier pipeline** — OpenAI embeddings + pgvector HNSW (semantic) -> Meilisearch v1.12 (typo-tolerant facets + geo) -> PostgreSQL full-text fallback.
- Ran indexing as a separate BullMQ worker so embedding generation never blocks API latency; immutable cancellationPolicySnapshot JSONB protects guest refunds from retroactive host edits.
- **Deployed production infrastructure** — Kubernetes manifests with cert-manager auto-TLS, distributed tracing via OpenTelemetry -> Jaeger, 4-stage GitHub Actions pipeline with GHA layer cache.

ELO-adaptive coaching, dual payment processors

- **Achieved zero data loss on cache failure with a Redis-buffered delta-write game-state layer plus PostgreSQL fallback (~100B/move vs. ~10KB full-state writes** — estimated 10–100x reduction in DB write amplification).
- Ran Stockfish WASM in a Web Worker (zero server cost) + native Stockfish 18 server-side for post-game analysis; hybrid pipeline using Lichess Cloud Eval API with perspective-corrected local fallback.
- **Stacked TTS and payment cascades for resilience** — Google Neural2 -> Groq -> Web Speech API; dual Stripe + Paddle checkout (Paddle as Merchant of Record handles VAT globally) with webhooks idempotent on provider event ID.
- **Built a 6-module security layer** — rate limiting, HMAC webhook verification, hand-rolled FEN/SAN validators, CSRF, and audit log with suspicious-request detection.

TECHNICAL SKILLS

Frontend: React 19, Next.js 15/16 — App Router, RSC, Edge Middleware, ISR; TypeScript, Tailwind 4, shadcn/ui, Radix UI, Redux Toolkit, TanStack Query, RTK Query, react-hook-form, Zod, Mapbox GL, Recharts, Framer Motion

Backend: NestJS, Hono, Express, Node.js 20, REST + OpenAPI 3.1, Server-Sent Events, WebSockets (Socket.IO, ws), JWT, OAuth 2.0, Swagger

Databases: PostgreSQL 16/17, Prisma 7, Drizzle ORM, Redis 7 (ioredis), pgvector (HNSW), Meilisearch, PostGIS

Auth & Payments: NextAuth v5, Better Auth, AWS Cognito, custom HMAC sessions, RBAC, Stripe + Stripe Connect, Paddle (Merchant of Record)

Infrastructure: Docker (multi-stage), Kubernetes (cert-manager auto-TLS), Railway, Hetzner VPS, Vercel, GitHub Actions, Caddy, BullMQ, Turborepo, AWS (S3, Cognito, Amplify), Cloudflare (Edge, Turnstile), OpenTelemetry, Sentry

AI Tooling: Anthropic Claude, OpenAI (embeddings + chat), Google Gemini, Claude Code, Cursor, MCP Servers, Figma API, ElevenLabs / Google Neural2 / Groq TTS

Testing & Collaboration: Vitest, Jest, Playwright (chromium + mobile-chrome), Testcontainers, k6 load tests; ClickUp, Jira, Trello, Slack, GitHub PR reviews

EDUCATION

Georgian Technical University — Tbilisi, Georgia

Oct 2017 – Jul 2021

Bachelor of Business Administration (BBA) — Business Administration and Management

LANGUAGES

English (Professional) · **Georgian** (Native)