Gabriel Bogdanovsky

Backend Engineer · Payments & Distributed Systems

Tel Aviv, Israel · Relocating to New York City in 2027 · Requires US work visa

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SUMMARY

Backend engineer with 5+ years of experience (including 3.5 years as a backend team lead during military service) building event-driven, failure-tolerant systems in TypeScript/Node.js and C#. At Tipalti, a B2B payments platform, cut a key payments page from 60 s to 2 s and built an async reporting service; now owns the company's internal AI platform.

EXPERIENCE

Tipalti · B2B payments automation platform · Tel Aviv · Jan 2025 – Present

AI Platform Engineer, Internal AI Platform · Jul 2026 – Present

Created and own the company's internal AI platform, started in Jan 2026 while on the payments team.

- **Designed the security boundary for an AI editor inside the payments app,** protecting it against prompt injection from company data such as supplier names: the agent can use only an approved element list and 3 operations, can never hide payment or approval controls, and a CI check blocks unsafe HTML.
- **Built exactly-once job dispatch** across triggers and replicas: an atomic MongoDB claim on a partial unique index prevents duplicate work, with compare-and-swap state transitions and rolling-deploy-safe migrations.
- **Built a queue-based coding-agent service** on RabbitMQ, Redis and Kubernetes (dead-letter queues, backoff retries, distributed locks, autoscaling on queue depth) that cut small-bug turnaround from ~30 to ~7 minutes.
- **Fixed LLM context overflow in production** (prompts reaching ~208k tokens) with result size caps, token budgets and auto-compaction.

Full-Stack Engineer, Payments · Jan 2025 – Jun 2026

- **Made a key payments page 30x faster (60 s to 2 s)** by rewriting ORM-generated queries as optimized SQL, adding indexes and restructuring data loading.
- **Designed and built an async payment-report service** (Node.js, RabbitMQ, S3) that moved heavy CSV exports off the core payments backend. The service keeps no job state; status is published as events to a separate job-tracking service.
- **Built bulk payment approval for the payments list product** and worked on the company's internal OCR system, root-causing a production bug that returned empty results on large documents.
- **Wrote the design for a CQRS-style read model** for the payments list (per-event queues keeping a query-optimized projection in sync with the source database, with shadow validation before cutover), reviewed by the company's architects.

Israeli Air Force · Rehovot · Jul 2021 – Dec 2024

Backend Team Lead / Full-Stack Developer · full-time software role during military service

- **Led backend development of a new product** built from scratch as C# .NET Core microservices communicating over RabbitMQ.
- **Built shared core libraries** reused across services, and improved API response times and the stability of legacy systems.

SKILLS

Backend: TypeScript, Node.js, Python, C# / .NET, PostgreSQL, MongoDB, RabbitMQ, Redis, Express, GraphQL
Frontend: React, Vite, micro-frontends (single-spa)
Cloud: AWS (EKS, Lambda, S3, CloudFront, Secrets Manager), Kubernetes, Helm, Docker, GitHub Actions
Reliability: Event-driven and CQRS design, idempotency, OpenTelemetry, Prometheus, Grafana, Sentry
AI / LLM: Claude Agent SDK, Anthropic SDK, MCP, RAG

EDUCATION

Practical Engineer (Handasai) diploma, Software Engineering · Amal College, Israel · 2-year accredited engineering program · 2019 – 2021