Gabriel Bogdanovsky

AI Platform Engineer

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), now building production AI agent infrastructure. Created and own Tipalti's internal agentic engineering platform: Claude Agent SDK workers, MCP services and hybrid RAG across 150+ repositories.

EXPERIENCE

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

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

Began building the company's AI developer tooling in Jan 2026 while on the payments team, and moved into this role to own it.

- **Created an AI teammate on Slack and Jira** that turns plain-English requests and tickets into agent-written plans and pull requests, and investigates production alerts. Primary author of the service (TypeScript, MongoDB, AWS EKS).
- **Built the Claude Agent SDK worker service** that runs one disposable agent per ticket (investigate, plan, implement, verify) behind human PR review. Agent sessions survive pod restarts without duplicate work (S3 checkpointing, ownership leases, idempotent result outbox).
- **Designed the prompt-injection defenses for an AI editor inside the payments app:** 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.
- **Designed a hybrid-RAG routing service** (vector + BM25 search, Claude re-ranking, served over MCP) that maps tickets to the right code across 150+ repositories from ~40 teams. On a labeled test set, confidence calibration cut confident-wrong routings from 4 of 8 to 0.
- **Built an in-house cloud coding agent** (Slack, Jira bug, fix, PR) on RabbitMQ, Redis and Kubernetes that cut small-bug turnaround from ~30 to ~7 minutes.
- **Fixed LLM context overflow in production** (prompts reaching ~208k tokens) with tool-result caps, 34% fewer tool definitions in context, token budgets and auto-compaction.
- **Authored the PRD and 7 architecture decision records** for the next-generation cloud agents platform: agent runtime, microVM sandboxes, LLM gateway and MCP gateway.

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 report service** (Node.js, RabbitMQ, S3) that moved heavy CSV exports off the core payments backend.
- **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.

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

AI / LLM: Claude Agent SDK, Anthropic SDK, MCP (servers and clients), RAG (vector + BM25 + re-ranking), LiteLLM, Claude Code

Backend: TypeScript, Node.js, Python, C# / .NET, PostgreSQL, MongoDB, RabbitMQ, Redis, Fastify, Express

Frontend: React, Vite, micro-frontends (single-spa)

Cloud: AWS (EKS, Lambda, S3, CloudFront), Kubernetes, Helm, Docker, GitHub Actions, OpenTelemetry

EDUCATION

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