Sagy Grimberg

Full-stack and backend engineering

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Full-stack and backend engineer working mostly in TypeScript, Python and PostgreSQL. I build async pipelines, internal tooling and AI-assisted workflows, and I like building tools that help other engineers move faster. I care about keeping things simple, measurable and production-ready.

CORE SKILLS

Product and services: TypeScript, React, Node.js, tRPC, Python, FastAPI, asyncio

Data and delivery: PostgreSQL, Drizzle, Pub/Sub, Redis, Kafka, GCP, Docker, Kubernetes

Quality and AI: OpenTelemetry, Playwright, Vitest, Gemini, grounded generation, agent workflows

EXPERIENCE

Alison.ai | Software Engineer

Jul 2025 - Present

- Led a standalone app and built major parts of its media-analysis and scoring workflows, including async pipelines, batch polling and idempotent ingestion across retries and concurrent writes.
- Scaffolded the new TypeScript application with React, tRPC, Hono and Drizzle; researched the deployment approach for the migration and enabled the team to execute it.
- Introduced shared OpenTelemetry instrumentation and optimized a report query from over 300 seconds to 1.2 seconds. Rebuilt the Postgres test harness, reducing a 330-test suite from 4m05 to 2m08.
- Built AI prompting and grounded creative iterations, image and video generation, and the matching React workflow. Owned an agentic workflow and brought it to production readiness.
- Introduced Storybook, automated QA, PR review and PR notification bots. Built a bug-report-to-PR workflow with recordings or before/after evidence and human gates.

Unity SCM | Software Engineer

Aug 2022 - Jul 2025

- Served as the primary maintainer of backend flows. Redesigned the data approach behind a slow, query-heavy display into an organized, enriched data lake.

Ofek 324 Unit | Israeli Air Force

Nov 2016 - Jun 2022

Full Stack Engineer Jul 2020 - Jun 2022

- Shipped frontend and backend features and production releases for a real-time application serving hundreds of users, using Node.js, Angular, Kafka and Redis Pub/Sub.

Storage Engineer | Storage lead from Apr 2018 Nov 2016 - Jul 2020

- Owned mission-critical storage and backup architecture, monitoring, automation and on-call response. Trained colleagues and recruits; received a commander's certificate of excellence.

PERSONAL ENGINEERING

Visual Hermes: a visual workflow plugin for Hermes Desktop. Reverse-engineered a 64×64 Bluetooth LED panel and built a Python dashboard for live AI sessions and background agents.