

Rares Gosman

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SUMMARY

Engineer who ships whole products solo: backend, frontend, ML, infrastructure, and the occasional voice agent. Sole technical founder of Contour (\$3M seed, acquired by Commure/Athelas). Before that, led software for the first FDA-cleared at-home CBC device at Athelas and built real-time fraud systems at Uber. Trained in mechatronics, so comfortable anywhere from RTOS firmware to LLM pipelines.

SKILLS

- **Languages:** Python, Java, Scala, C/C++, Go, SQL
- **Systems:** FastAPI, PostgreSQL, Redis, Kafka, Flink, Spark, GCP/GKE, Cloudflare, Stripe, React
- **AI & health:** LLM products (Gemini), voice agents (Vapi), TensorFlow, EHR integrations (Epic, Redox, FHIR)

EXPERIENCE

Independent New York, NY
Vibe Coder 2026 – Present

- Independent work after Contour Care’s acquisition: developer productivity tools, and software for real estate agents and the New York City rental market.

Contour New York, NY
Co-Founder & CTO Sep 2023 – May 2026

- Sole technical founder of a venture-backed health tech startup. Raised a \$3M seed co-led by Shine VC and Contrary Capital; built two product chapters through to an acquire by Commure/Athelas.
- Built the full stack solo across both products: frontend, backend, data pipelines, infrastructure, AI workflows, and admin tools.
- Shipped Contour Care, an AI senior-care search product (“Zillow meets ChatGPT for nursing homes”). Its chat assistant triggered an autonomous research pipeline that searched, enriched facility data, and generated structured reports, drawing thousands of visitors and 2,700+ placement inquiries.
- Built a HIPAA-conscious telemedicine platform for a virtual palliative-care service: FastAPI and PostgreSQL on GKE, with Zoom video visits, Sendbird chat, and configurable Twilio SMS workflows for reminders and triage.
- Built a voice-agent system that called senior-care facilities and survived phone trees, hold music, voicemail, and transfers through a two-agent dispatch state machine.

Assort Health San Francisco, CA (remote)
Founding Engineer Jun 2023 – Aug 2023

- First backend engineer at a startup putting generative AI on healthcare call-center phone calls; the company is now valued at \$1.2B.
- Built the initial backend from scratch (Python, FastAPI, Redis), plus GCP/GKE infrastructure for 24/7 AI agent operations, to HIPAA requirements.
- Engineered real-time Epic EHR integrations via Redox and FHIR APIs so the AI could query provider schedules, book appointments, and update patient records.

Athelas

Senior Software Engineer

Mountain View, CA

Apr 2021 – May 2023

- Early engineer at a health tech company building remote patient monitoring and at-home blood diagnostics; acted as product manager on every project.
- Led software and firmware (C/C++, Python) for Athelas Home through its clearance as the first FDA-cleared at-home CBC device, used to monitor schizophrenia patients on clozapine therapy.
- Built the platelet-detection ML models and hemoglobin measurement software that completed the device's remote CBC; optical calibration work raised manufacturing yield from 60% to over 80% and cut device test time from 12 to 4 minutes.
- Built a remittance ingestion platform (APIs, web portals, faxed PDFs, EDI 835 files) that grew from \$200k auto-processed in Nov 2022 to over \$2M per month across 70+ practices, cutting payment processing errors by over 90%.
- Optimized GKE pod and machine layouts to halve compute costs while serving daily diagnostics for 100,000+ monitored patients.

Uber

Software Engineer II, Money Movement Risk

Palo Alto, CA

Oct 2019 – Apr 2021

- Backend engineer on Uber's Fraud Platform, then Money Movement Risk: systems handling millions of transactions a day.
- Re-architected chargeback processing from a nightly batch job into a real-time streaming service (Java/Scala, Kafka, Flink/Spark Streaming) that compiled evidence and submitted it to Adyen and Braintree automatically.
- Built Python, Spark, and SQL pipelines generating features for real-time fraud models targeting collusion and fake-restaurant schemes on Uber Eats.
- Led the end-to-end risk integration for the launch of peer-to-peer Uber Cash gifting.

Earlier

- **Phonic** (founding member, 2019): market research startup accepted to Y Combinator (W20), acquired by Infillion in 2023. Pitched at UN Headquarters to judges including President Bill Clinton, as one of 7 global finalist teams in the 2019 Hult Prize.
- **Internships:** Uber Maps (Hadoop/Spark pickup-hotspot pipeline), Tesla Model 3 ("Phone Key" security-controller firmware, BLDC blower firmware), Level Home (smart-lock firmware; a year of battery life on one CR2 cell), FleetCarma (EV telemetry; GPS cold-start fix from 27 seconds to under 4), Deloitte D{ } Labs (IoT prototyping). Full timeline at rares.blog.

EDUCATION

University of Waterloo

B.A.Sc. Mechatronics Engineering, Honours

Waterloo, ON

2014 – 2019

- Co-authored "A Novel Mechanism for Gravity-Balancing of Serial Robots With High-Dexterity Applications," IEEE Transactions on Medical Robotics and Bionics (2021), from work on a cable-driven mechanism enabling base-mounted actuation for confined-space robotics.