

Yehor Brodskiy

Senior Developer

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Summary

I'm a Senior Developer from Kyiv, Ukraine. I take the IT problems that don't really fit a SaaS model: backends, infrastructure, streaming pipelines, embeddable forms, on-site builds - and handle them through from the initial interaction to the handover. I'm currently a Senior Developer at The Parker Avery Group, working on enterprise systems for US retail and CPG.

Experience

Senior Developer, [The Parker Avery Group](#)

Mar 2022 - Present

Enterprise systems integration for US retail and CPG: the Unified Demand Intelligence platform and Ask Udi.

- Designed and solely built an OpenAI-compatible Batch API gateway in Rust (Axum, Tokio, SQLite) in front of a self-hosted vLLM server: durable job state that survives restarts, a two-class scheduler that prioritizes synchronous traffic while never starving batch work, schema-validated responses with a bounded re-ask budget, and retry-with-backoff that honors Retry-After.
- Main author of the retrieval layer of a retrieval-augmented, natural-language-to-SQL assistant (LangGraph, LangChain, OpenAI-compatible models) for a large enterprise retail analytics platform. Built a hybrid retriever (pgvector cosine similarity plus PostgreSQL full-text search) that pulls the most relevant prior question and SQL examples into the prompt, in-database embedding generation with sentence-transformers, schema-aware resolution of free-text mentions against an embedded catalog of dimension values over a complicated multi-table snowflake schema, and confidence-driven routing to a cheaper or stronger model by retrieval score.
- Designed and built a GraphQL query gateway that stitches several internal services into one endpoint, with a separate real-time channel for live updates.
- Deployed and load-tested vLLM serving a quantized open-weight model (Gemma, 12B, 4-bit and FP8 variants) on a single 24 GB GPU. Tuned KV-cache dtype, sequence concurrency, GPU memory utilization and the structured-output backend to reach about 335 output tokens per second at 16-way concurrency with zero request preemptions.

Senior Technical Consultant, [Mobilauto](#)

2022 - 2024

I'd already moved to The Parker Avery Group when Mobilauto came back to life. I owned a lot of its parts, so I pretty much got pulled into a 2-year knowledge transfer.

Full Stack Engineer / DevOps (incl. SRE), Team Lead, [Mobilauto](#)

Jan 2020 - Mar 2022

Ran the taxi platform end to end: the Cabinet24 CRM, the Express Soft dispatch platform, Mobilauto Web, the gateway and the partner bridge. prpcow and rust-wasmpack-loader came out of this work as open source. It ended in spring 2022, with the full-scale invasion.

- Built a program set for taxi services on Kubernetes (k0s) for deployment orchestration. Node.js backend (including worker threads), Kafka for driver-point delivery, Redis for cache, history and pub/sub, PostgreSQL, React frontend, full Asterisk and A2Billing telephony integration.
- Designed low-cost infrastructure on Kubernetes (k0s) for high availability of every critical service.
- Led a team of six.
- Built a large-scale k0s environment supporting multiple deployment options, including automated setups in dedicated client VMs.

Full Stack Engineer / DevOps (incl. SRE), [Qberry](#)

Apr 2019 - Dec 2019

My first salaried job, at an outsourcing firm. Production reliability and product work.

- Built many customer-requested environments: Docker-based, bare-metal, several cloud platforms, and Kubernetes clusters including air-gapped setups.
- Customer projects (React and Vue frontends, Node.js including worker threads, MariaDB, MySQL and MongoDB), plus support for bare-metal servers including PowerDNS.
- Built gamification add-ons (Node and RabbitMQ on the backend, React on the frontend).
- Led 2 or more developers.

Full Stack Engineer / DevOps (incl. SRE), Tech Lead, [Cropman.io](#)

Jan 2019 - Apr 2019

A multi-image editor right in the browser. Built it with classmates from DAN.IT and sold it as a product.

- An online batch photo editor (layers, crop, filters, watermarks). Node and Sharp (libvips) with Firebase for auth and storage, MongoDB, and a React frontend.
- Used Firebase Cloud Functions as compute for user requests, with everything else on Docker Compose.
- Led a team of four.

Freelance, Self-taught builds

2015 - 2018

Skills

Languages

TypeScript / JavaScript, Python, Rust, Go, Java, C#

Runtimes

Bun, Node, Edge runtimes, WASM in the browser

Frontend	Next.js, React, Tailwind CSS, Angular, Vue, Nuxt.js
Backend & messaging	Node, prpcow, REST, RPC, GraphQL, WebSockets, gRPC, Protobuf, Spring, Microservices
Orchestration	Kubernetes, K8s on bare metal (Talos, k0s), ArgoCD, Devtron, Custom CSI / Operators, k3s, Terraform, Docker / Podman, CI/CD automation, Ansible
Multimedia	HLS, Streaming pipelines, nginx-vod-module
Auth & identity	Keycloak, Zitadel, OIDC / OAuth2, SSO / IdP federation
CMS	Strapi, Custom headless
Data & AI	OpenAI APIs, ClickHouse, pgvector, qdrant, Langfuse, LangFlow, LangGraph, RAG / embeddings, LangChain, Apache Spark, DuckDB
Queues & gateways	Kafka, Valkey / Redis, Higress, RabbitMQ, KubeMQ
Observability	SigNoz, Prometheus, Grafana, OpenReplay, Microsoft Clarity, Datadog
Cloud & hosting	Self-hosted infrastructure, Bare metal, Major clouds, Private, air-gapped and hybrid environments, EDGE computing
Realtime & telephony	Asterisk, A2Billing, WebRTC softphones, Custom TURN / STUN with strong auth
Databases	PostgreSQL, MySQL / MariaDB, SQL Server, Oracle DB, MongoDB, Couchbase, SQLite, Cassandra
Storage	S3 / MinIO, GCS, Azure Blob, B2, NFS / SMB, Ceph
LLM serving	vLLM, Multi-GPU serving over NVLink, OpenAI-compatible APIs (Chat and Batch), Ollama, Quantization (w4a16, FP8), Throughput and latency load-testing
Security	VPN-only and no-public-inbound topologies, Network hardening, Secrets management, Vulnerability scanning, Compliance controls

Education

Kyiv Aviation Institute (National Aviation University), Bachelor's, IoT	2021 - 2025
Faculty of Electronics, Robotics, Monitoring and IoT Technologies. Average mark 89/100. Qualification work: Network Protocol for Remote Function Calls (RPC-like) as the primary seamless connection between EDGE devices in IoT.	
Kyiv Aviation Institute (National Aviation University), Master's, Electronics, Robotics and IoT	2025 - 2026
Faculty of Air navigation, Electronics and Telecommunications.	
DAN.IT Education, Full stack course	2019 - 2021
Average mark 80/100.	

Languages

Ukrainian Native | **English** C1/C2 | **Russian** Native