

EDUARD SHATALOV

Backend Engineer — REST APIs, LLM Pipelines, RAG

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PROFESSIONAL SUMMARY

Backend Engineer / AI with 6+ years building B2B SaaS platforms and hands-on experience designing LLM pipelines, RAG systems, agent workflows, and production integrations. Comfortable owning end-to-end backend delivery: data models, REST APIs, service boundaries, evaluation harnesses, and deployment. Engineering depth across TypeScript / Node.js, Python, and C# / .NET.

TECHNICAL SKILLS

- **Languages:** TypeScript / Node.js, Python, C# / .NET, SQL
- **LLM:** OpenAI API, Anthropic Claude API, RAG pipelines, vector retrieval, LLM-as-judge evaluation, agent orchestration, prompt versioning, MCP
- **Backend:** REST API design, Hono, Express, .NET services, Drizzle ORM, Postgres, SQL Server, schema design, migrations
- **Integrations:** WhatsApp Business API, Google Calendar API, Instagram Graph API, webhooks
- **Infra:** Docker, CI/CD, Vercel, Linux, pnpm monorepo, observability and logging
- **Practices:** modular architecture, test-driven development, zero-downtime data migration, evaluation-first delivery

EXPERIENCE

Independent Product Builder & Consultant — 2025 – Present

Montevideo, Uruguay (Remote)

Client-facing AI automation engagements from Mar 2026; portfolio R&D; and product development since 2025.

- Built **multi-turn WhatsApp booking assistant** integrated with Google Calendar (Node.js + LLM); handles intent parsing, slot resolution, and confirmation flow for a hair-salon client (area-mosa.vercel.app).
- Designed **3-stage interactive customer experience** for a themed café — AI dialog flow, operator-side console, Instagram Graph API integration.
- Architected modular backend services: parsing layer, business logic, client-facing reporting. Evaluated agent behavior against real-world, non-mocked scenarios to surface edge cases.
- Owned the full data path: webhook ingest → state machine → LLM call → tool invocation → persistence → reply.

CRS — Configuration Engineer → Senior → Team Lead → Senior Team Lead → Configuration Director | Mar 2020 – Mar 2026

Saint Petersburg, Russia → Montevideo, Uruguay

Six-year progression across a large-scale insure-tech B2B platform. Backend engineering depth, modular architecture, and production delivery.

- **Backend stack:** C# / .NET services, TypeScript frontend, REST APIs, SQL Server data layer. Owned API contracts, service boundaries, and modular separation across parsing, business logic, and delivery layers.
- **Delivery impact:** cut platform delivery cycle from **2 years to 6 months** through modular architecture and process redesign.
- **Scale:** supported client platform operations generating **200+ daily submissions**; platforms tied to approximately **\$1M/month in client-side business volume**.
- **Data migrations:** owned zero-downtime data transformation and migration pipelines across platform upgrades.
- **Architecture:** influenced logging, performance monitoring, and operational transparency decisions.
- **Team:** grew engineering department **3 → 30** (hiring, mentoring, future team lead pipeline); ran **3 concurrent project workstreams**.

SELECTED PROJECTS

- **PromptOps Tool** — Hono REST API + Drizzle ORM + Postgres; immutable prompt versioning with lifecycle states (draft → staged → active → deprecated), diff view, regression suite, full audit log; architecture

documented before code; pnpm monorepo.

- **AI Evaluation Tool** — Next.js 15 / TypeScript; 32 routes; 10-dimension scoring rubric, LLM-as-judge (GPT-4o-mini), span-level hallucination detection, run-comparison data model (ai-eval-tool.vercel.app).
- **RAG Memory Playground** — custom retrieval engine; golden eval suite measuring retrieval precision across strategy variants (configurable k, similarity threshold) (rag-playground-tool.vercel.app).
- **Graphify** — corpus → clustered knowledge graph pipeline; 5,356 nodes / 10,443 edges; community detection across 50+ knowledge domains.

EDUCATION

B.Sc. Program Engineering — Saint Petersburg Electrotechnical University "LETI", Russia · 2021 · GPA 4.3 / 5.0

CERTIFICATIONS

- Advanced Team Management — Coursera (2023)
- Google UX Design Professional Certificate — Coursera / Google (2025 – 2026)

LANGUAGES

Russian (Native) · English (Full Professional) · Spanish (Working)