



Robert Rakhmatullin

Software Engineer • Backend • Python

Reliability • Data Architecture • Business Automation (AI Agents)

Contacts

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Hard Skills

Backend & Frameworks

- Python (Flask, Django, FastAPI), SQLAlchemy, Alembic
- RQ, Celery, REST/Webhooks, GraphQL

Data & Databases

- PostgreSQL, MySQL, MongoDB, Redis
- Kafka, Airflow, ETL/ELT

DevOps & Cloud

- AWS, DigitalOcean, Docker, Kubernetes
- Nginx, CI/CD (GitHub Actions, GitLab CI)

Infrastructure & Tools

- Auth0, n8n, Bubble
- Datadog, Grafana, Sentry
- Jira, Confluence, Miro

Methodologies & Approaches

- Microservices, Event-driven architecture
- Agentic workflows (RAG, MCP, LLM codegen)
- Agile/Scrum, TDD, DDD,
- Code reviews & CI best practices

Soft Skills

- Clear, transparent communication
- Stakeholder alignment & expectation management
- Leadership & mentoring; calm incident leadership
- Product thinking; metrics-minded
- Ownership, prioritization, and follow-through

About Me

Software Engineer with a bias for reliability, clarity, and speed. I'm comfortable owning the technical side end-to-end – setting direction, aligning stakeholders, and mentoring – or dropping into the code as a focused IC to ship well-sscoped pieces with high leverage. I've led teams of different sizes – from lean strike squads to cross-functional groups – and can tune hiring, process, and cadence to the project's scale, whether human teams or AI-assisted workflows.

I use AI agents as a force multiplier (RAG pipelines, MCP tools, and code generation). I design the guardrails, review outputs, and treat agents like junior teammates – moving faster even beyond my core (e.g., frontend/DevOps) while keeping production standards high. This approach, paired with strong backend/data fundamentals, lets me automate the boring parts and keep attention on the parts that create business value.

My strengths are backend and data architecture, pragmatic schemas, queues and transactional boundaries, clean APIs, and integrations that remove manual work. I build MVPs from scratch and evolve them into calm, observable systems, leaving behind straightforward processes, documentation, and metrics so teams can move quickly without heroics.

I'm currently building an AI-agent-powered B2B product aimed at eliminating repetitive operational work. I'm open to engagements that range from leading engineering efforts to focused developer work on automation and integrations – alongside my product – where I can bring speed, ownership, and measurable outcomes.

Lisbon-based, remote-first.

Outside of work

Active lifestyle: I compete in powerlifting and train regularly; surf the Lisbon coast when the swell is right; and hold a skipper's license for time on the water. I also enjoy film photography and small creative side projects. The same discipline I use in sport – structure, recovery, consistency – shapes how I approach long-term engineering work.

Professional Experience

Founding Engineer

Besample | Feb 2025 – Sep 2025

- Built foundational systems and led engineering efforts across an early-stage product; turned a fragile MVP into a clean, reliable foundation.
- Automated multi-channel respondent sourcing and delivery, replacing manual ops with a single cohesive flow.
- Introduced scalable job processing and shipped core features end-to-end, improving throughput and predictability.

Tech: Python (Flask), RQ/Redis, PostgreSQL/SQLAlchemy, Telegram/LINE, Clickworker API, n8n, Bubble, DigitalOcean

Principal Software Engineer (Architecture & Team Leadership)

Zentist | Nov 2022 – Jan 2025

- Led a core team of 8 engineers (expanding to 15+ for complex tasks) to overhaul a slow, unstable legacy system, which was limiting company growth due to performance bottlenecks and inconsistent data.
- Re-architected data structures and performance-critical components, reducing load times from minutes to seconds and ensuring clean, reliable data for customers.
- Established an efficient engineering culture with thorough code reviews, best practices, and continuous integration, enabling faster feature delivery and high-quality output.
- Mentored developers and coordinated with stakeholders to align technical solutions with strategic business goals, paving the way for sustainable scaling and future expansion.

Tech: Python (Flask, FastAPI), RQ/Redis, MySQL/SQLAlchemy, ETL/ELT, GraphQL, AWS, Sentry, GitHub Actions

Software Engineer | Technical Lead & Acting Engineering Manager

Agro.Club | Dec 2020 – Oct 2022

- Team Building & Mentorship
 - Built two development teams from scratch (Backend and DWH), managing the entire hiring cycle from sourcing and interviewing to onboarding.
 - Mentored developers, facilitating their technical growth and enabling productive collaboration in a distributed environment.
- Architecture & Agricultural Marketplace
 - Designed and evolved the architecture for a complex B2B platform in the agriculture sector, ensuring scalability and reliability.
 - Optimized key modules and business logic to accelerate time-to-market for new features.
- Data Integration & Analytics
 - Set up a data delivery pipeline to the analytical database, reducing report generation time for the business from 1.5 hours to 1–2 seconds.
 - Developed and implemented a data synchronization mechanism with partner ERP systems, ensuring continuous and accurate data exchange.
- Business Collaboration & Strategic Planning
 - Communicated regularly with business stakeholders, cross-functional teams, and customers, transforming high-level requirements into clear technical tasks.
 - Contributed to product growth strategies and the development of new services, aligning technical solutions with the company's long-term objectives.

Tech: Python (Flask, Django, FastAPI), Kafka, AirFlow, RQ/Redis, PostgreSQL/SQLAlchemy, MongoDB, Datadog, Grafana, Sentry, AWS, GitHub Actions

Professional Experience

Software Engineer

Media Machines Laboratory | Apr 2019 – Nov 2020

- Developed a recommendation system for media planners (Python, Celery, Django, PostgreSQL), ensuring relevant and data-driven ad placements.
- Deployed and scaled microservices using GitLab CI/CD, Docker, AWS, and Kubernetes, achieving reliable and cost-effective infrastructure.
- Integrated major advertising and marketing platforms (DoubleClick, LinkedIn Marketing, Google Analytics, Facebook Marketing) to centralize data and provide actionable analytics.
- Assumed CTO responsibilities after the former CTO's departure, overseeing architecture and strategic technical decisions, and coordinating cross-functional teams to deliver product milestones.

Full Stack Python Developer

Tinkoff Bank | May 2017 – Jan 2019

- Joined as a Junior Frontend Developer and quickly took on Python-based backend development responsibilities.
- Architected and maintained an educational portal, managing the entire development lifecycle (requirements, planning, coding, testing, documentation).
- Operated in a self-guided environment due to minimal managerial oversight, making technology stack decisions in collaboration with peers and ensuring timely, quality deliverables.
- Collaborated directly with business stakeholders to clarify goals, identify pain points, and translate them into actionable tasks.

Tech: Python (Django), RabbitMQ, PostgreSQL, TeamCity, JS (Angular 2)

Education

Computer Science

Lomonosov Moscow State University, Moscow, Russia
2013 – 2018

- Specialization in Mathematical Physics in the Department of Computational Mathematics and Cybernetics