

# Alexey Shiryavsky

CTO / Engineering Leader · Go & High-Load Distributed Systems

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## SUMMARY

Engineering leader and hands-on Go engineer with 19 years in marketing-automation and messaging platforms. Built the Altcraft Marketing Platform from scratch in 2015 and led its technology as CTO until 2025: an omnichannel CDP running on-premise at large enterprises and as multi-tenant SaaS, with 450M+ customer profiles under management. Strongest in architecture and performance engineering of high-load systems, and in building engineering organisations.

## CORE SKILLS

|                   |                                                                                                                    |
|-------------------|--------------------------------------------------------------------------------------------------------------------|
| Backend           | Go (10+ years), JavaScript / Node.js, Python, Bash; gRPC, HTTP/REST, SMTP/MTA, SMPP                                |
| Data & messaging  | MongoDB, ClickHouse, PostgreSQL, Redis, RabbitMQ; storage tuning and query optimisation                            |
| Performance & ops | Load testing, bottleneck analysis, capacity planning; Linux, Docker, GitLab CI, Prometheus, Grafana, Zabbix, ELK   |
| AI engineering    | Agentic workflows: prompt and context engineering, MCP tool use, RAG, evaluation and agent loops                   |
| Leadership        | Three departments, up to 35 people; strategy and roadmap; product management; standards, code review, team metrics |

## EXPERIENCE

### Fractional CTO / Technical Consultant — Altcraft 2025 – present

- Architecture, performance and AI-engineering advisory for the Altcraft Marketing Platform.
- Load testing and capacity planning for enterprise on-premise deployments.
- Leading the Altcraft Cloud SMTP project, a sending service built on KumoMTA.
- Introducing AI-assisted engineering: LLM agents connected to the issue tracker, GitLab and browser automation via MCP.

### Chief Technology Officer — Altcraft 2017 – 2025

- Owned architecture, technical strategy, roadmap and releases as the platform grew to 450M+ customer profiles.
- Led Development, QA and Operations: up to 35 people under three department heads; also covered product management.
- Set up a Project/Product Management Office (PMO) and handed it over to its own head.
- Delivered on-premise installations for enterprise clients in aviation, banking, insurance, telecom, e-commerce and media.

### Lead Developer & Team Lead — Altcraft 2015 – 2017

- Built the marketing-automation platform from scratch (Go backend, JavaScript frontend); co-inventor on a patent covering it.

### Earlier experience 2006 – 2015

Software engineer for marketing-automation and email deliverability tooling (GMBDirect, 2007–2015); electronics and software prototyping for escape rooms; UI design and web development.

## LANGUAGES

Russian — native · English — professional working proficiency · German — B1