

Anatolii Litvinov

Senior AI Engineer · Backend & LLM Platforms

PERSONAL DETAILS

Work authorization	Unrestricted right to work in Germany. Available for permanent employment or B2B contract.
Location	Dortmund, Germany · open to remote
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PROFILE

AI engineer, **5+ years** in TypeScript / Node.js. Led backend and AI architecture at a cybersecurity-compliance platform in production at **Fortune 500 industrial and chemical manufacturers**.

PROFESSIONAL EXPERIENCE

02.2025 – 06.2026	Engineering Tech Lead — Cyberbase Systems, Inc. <i>AI-powered cybersecurity & compliance platform · team of 4 engineers · Remote (Dortmund, Germany)</i> - Automated vendor security review: 10–40 hour due-diligence questionnaires complete in minutes, 100-page contracts redlined in under 5. Temporal-orchestrated multi-agent system: six specialized reviewer agents over the A2A protocol, crash-safe with saga compensation. - Designed the long-document redlining pipeline: a contract fans out into ranges reviewed in parallel (LangGraph) and merges back into the source file as native Word tracked changes — every clause reviewed at any contract length, no truncation and no skipped detail. LLM streaming at 5,000 concurrent streams, p99 <20ms (Socket.IO + Redis pub/sub), with resumable streams — zero data loss across a user's devices. - Retrieval and evaluation layer: pgvector search, Neo4j knowledge graph, schema-validated function calling with output guardrails, LLM-as-judge evals (Langfuse) gating model changes. Multi-cloud IaC (OpenTofu + Terragrunt) on AWS + Azure — EKS / AKS, ECS, WAF / GuardDuty — with per-customer Azure BYOC isolation. - Owned code review and mentoring across backend and frontend; PR coverage gates and LLM observability (Langfuse, OpenTelemetry). .NET / OpenXML microservice reading and writing Word and Excel in native format, preserving original formatting and emitting tracked changes. - Provider-agnostic LiteLLM gateway across OpenAI, Anthropic, AWS Bedrock and Google Vertex AI — load balancing, same-model failover on rate limits, layered retry with backoff. Policy-based authorization (OPA) across HTTP and WebSocket with registry-versioned policies; Clerk identity (SSO / MFA) and machine-to-machine service auth.
06.2024 – 02.2025	Software Engineer — Code & Cakes <i>US- & EU-market software consultancy · Remote</i> <i>Cyberbase engagement incubated here before the team went direct.</i> - Shipped vtnews.ai, a news aggregator at 50,000+ users/day at launch, and letsgain.com, a teaching-materials platform used by 30 schools / 300 teachers. - Owned R&D, estimation and stack selection across parallel client engagements.

Software Engineer — AnvilEight

Contracted to the UN World Food Programme (HQ Rome) · Kharkiv, Ukraine

- Built the data collection and processing flows behind the dashboards, ingesting from multiple internal WFP source systems.
- PDF and Excel report pipelines at ~1,000 reports/week; Azure AD and AWS Cognito authentication.
- Analytics dashboards for 20,000 staff across 120+ countries, built directly with stakeholders in Rome and London.
- Led the React 16 → 18 migration: 500+ components, 15+ screens, ~200k LoC on a Webpack 5 build.

EDUCATION

2020 – 2024

B.Sc., Mathematics and Computer Science

National Aerospace University · Kharkiv Aviation Institute · Kharkiv, Ukraine

Employed full-time as a software engineer from 2021 — the final three years of study ran in parallel.

Specialization: mathematical modeling and artificial intelligence.

SKILLS

LLM & agents	OpenAI, Anthropic, AWS Bedrock, Google Vertex AI; LangGraph / LangChain; Temporal; LiteLLM; A2A protocol; function calling; output guardrails; production streaming
Retrieval & eval	pgvector; Neo4j; Langfuse (prompt versioning, tracing, LLM-as-judge evals); .NET / OpenXML document automation
Core stack	TypeScript, Node.js, NestJS, Python, React, .NET / C#, Nx / pnpm monorepo
Infra & platform	AWS, Azure, GCP, Kubernetes (EKS / AKS), ECS, Docker, OpenTofu / Terragrunt, OpenTelemetry, Socket.IO, Jest / Vitest
Data & messaging	PostgreSQL, TypeORM / Drizzle, Redis / Valkey, BullMQ, RabbitMQ, Kafka
Identity & authz	OPA, Clerk, AWS Cognito, Azure AD, OAuth / SSO, MFA

LANGUAGES

English	C1
Ukrainian	C2 (native)
Russian	C2
German	A1

ADDITIONAL QUALIFICATIONS

References	Employer reference letters and referees available on request.
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