



Lev Brekhov

Senior Software Engineer | Backend / Full-Stack
TypeScript · Node.js · React · Python

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Summary

Senior software engineer with 8+ years delivering SaaS, APIs and distributed systems. Hands-on ownership across TypeScript/Node.js, React and Python, with experience in identity security, MCP integrations and privacy-focused AI retrieval.

Engineering Experience

Propper AI (formerly MyeSign)

Apr 2024 - Aug 2026

Full Stack Engineer

Multi-tenant e-signature and document-workflow SaaS | Remote

- Led the **Click launch** across four NestJS microservices, the BFF and Next.js UI; delivered a tamper-evident evidence pipeline and replica-safe distributed scheduler.
- Architected a **Zod-based BFF** serving 300+ routes with tenant-scoped authentication; strengthened tenant isolation and session security.
- Unified ID.me, CLEAR and OneID verification behind one interface, with **OAuth2/PKCE** flows and cryptographic PDF signing.
- Built Python, Node.js, Go and React SDKs with **automated OpenAPI generation** and releases; delivered self-service Stripe checkout and billing.

Verticula

Jun 2022 - Aug 2026

Full-Stack Lead / Architect

Telecom retail sales platform | Contract | Remote

- Led migration to **10 NestJS microservices** with gRPC and typed Protocol Buffer contracts; built the API gateway and owned the pricing engine.
- Separated carrier and e-signing integrations from order logic; resolved a **platform-wide gRPC discovery issue** during the migration.

Selected AI Project

Privacy-First AI Assistant - Confidential (NDA)

2026

Solo developer | Finance and accounting workflows

- Built **RAG, CAG and knowledge-graph (KAG) retrieval** across 10 FastAPI services, with a hybrid retrieval cascade, entity filtering and pluggable pgvector / sqlite-vec storage.
- Implemented a **privacy layer** with PII detection, reversible pseudonymization and encrypted context storage; routed confidential tasks to local Ollama and policy-approved tasks to cloud models.
- Built the Flutter/Dart client and file assistant with confirmation gates and reversible moves; enforced a **95% CI coverage threshold** for the privacy layer.

Core Skills

Engineering: TypeScript, Node.js, NestJS, React, Next.js, Python, FastAPI

Applied AI: MCP, RAG / CAG / KAG, pgvector, sqlite-vec, Ollama, Claude / OpenAI / Gemini

Platform: PostgreSQL, Redis, Kafka, gRPC, AWS / GCP, Docker, Kubernetes

Delivery & Security: OAuth2 / OIDC, tenant isolation, OpenAPI, CI/CD, Playwright, Vitest

Engineering Experience (continued)

Frontegg

May 2025 - Feb 2026

Full-Stack Engineer

Enterprise customer identity and access management | Remote

- Built an MCP platform exposing **11+ SaaS integrations** to AI agents, including Stripe, Microsoft 365, Zendesk, GitLab and DocuSign.
- Designed NestJS tool libraries with **OAuth2 authorization** and Zod-typed capabilities; delivered the integration catalog and management interface in React.
- Shipped features across seven identity microservices, including event-driven webhook controls, notifications and **relationship-based entitlements**.

Red Rocket Software

Jun 2022 - Oct 2025

Technical Lead

SHOT community platform | Contract | Remote

- Led **architecture and delivery** of the SHOT application, building the Flutter client on an AWS backend.

Polymath

Apr 2022 - Apr 2023

Full Stack Developer

Tokenized real-estate investment platform | Remote

- Built the backend API, wallet-based authentication and **KYC gating**, alongside the investor-facing Next.js interface.

CHI Software

May 2021 - Jun 2022

Full Stack Engineer

Telecom and eCommerce products | Odesa, Ukraine

- Built SIM and subscription purchasing flows and CRM features, integrating **mobile-operator APIs** and caching with Node.js, PostgreSQL, Angular and Redis.

Intersog

Apr 2018 - Jun 2021

Research / Node.js Engineer

Automation, security tooling and product engineering | Odesa, Ukraine

- Led the Exodus personal-finance application: **managed the team**, owned backend architecture and shipped AWS infrastructure with Monobank and Telegram integrations.
- Published **wasm-re2**, compiling Google RE2 from C/C++ to Node.js through Emscripten/WebAssembly, with a tested TypeScript API; built browser automation and HTTP/S traffic tools.

Additional Experience

AppNow

Apr 2025 - Aug 2026

Co-Founder (Part-time)

Mobile product studio | Alicante, Spain

- Led a **cross-functional Flutter, backend and QA team** delivering mobile apps in 4-6 weeks; owned client requirements, scope and delivery through launch.

Education

Odessa National Maritime University

B.Sc.

Computer Science

2017 - 2022

KNTIIS

Junior Specialist

Automation & Computer-Integrated Technologies

2015 - 2019

Languages

Ukrainian

Native

Russian

Native

English

Upper-Intermediate

Spanish

Intermediate