SERGE LUBIMOFF

Senior Software Engineer | AI, Cloud & Web3 | Node.js · AWS · Local LLMs | Author of Me2eM Identity Protocol

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Belarus (remote worldwide) | Full-time · Contract · Remote | English B2 | lubimoff.com

PROFESSIONAL SUMMARY

I architect scalable cloud-native systems and integrate AI directly into enterprise workflows. 15+ years in software engineering — from traditional web apps to AI-augmented platforms where performance, privacy and intelligence converge. Recent focus: Me2eM identity protocol, local LLM infrastructure (Chat-App, open source) and E2EE communications. Proven impact: 20× API speedup, −33% production bugs, 33% smaller production bundles. Data sovereignty preserved: local LLMs, RAG pipelines and agent orchestration without sending data to third-party APIs.

CORE SKILLS

AI / LLM: Artificial Intelligence, Local LLMs, Ollama, llama.cpp, RAG, Context Engineering

Crypto / E2EE / Web3: Cryptography, X3DH, BIP39, Ed25519, AES-GCM, HKDF, Argon2id, Web Crypto API, Key Wrapping, Solana, x402

Backend: Node.js, TypeScript, NestJS, Fastify, Express.js, Hapi, Moleculer

Frontend: React.js, Next.js, Angular, Redux, Tailwind CSS

Data: PostgreSQL, MongoDB, MySQL, Redis, SQL, Mongoose ODM, Sequelize.js

Cloud / DevOps: AWS (Lambda, SAM, API Gateway, CloudFormation, CloudWatch, S3), Docker, Docker Compose, GitHub Actions, GitLab, Sentry

Real-time / Web: WebRTC, WebCodecs, WebSocket, JSON-RPC, OCPP

Testing / Tools: Jest, Vitest, Postman, Swagger, WordPress

Languages: English B2 (Professional Working Proficiency); LinkedIn Skill Assessments passed: Node.js, React.js

WORK EXPERIENCE

Full Stack Engineer

Twelvedevs | Aug 2024 - Mar 2025 | Remote

- Built API integrations and role-based authentication (Ory Hydra / Ory Kratos, OAuth 2.0 + JWT) for carrier integration platforms, including Atlasbus — the largest intercity bus ticketing integrator in Belarus, Russia and CIS
- Implemented the public customer page with full authentication integration for Shiptify, a French digital supply chain and collaborative TMS platform
- Developed scalable backend services with NestJS and TypeScript

Software Development Engineer

EPAM Systems | Jan 2022 - Jul 2024 | Minsk, Belarus / Remote

- Optimized Sequelize queries with AWS X-Ray tracing for the Joe & The Juice loyalty app (500+ locations) — 20× faster API responses
- Deployed self-hosted Sentry standalone for an HR automation product: centralized logging and monitoring for BE (Node.js / Winston) and FE (Vue) across dev, QA and production — −33% production bugs, −33% prod bundle size
- Developed, tested and deployed AWS Lambda microservices with AWS SAM and API Gateway for the Bayer AgroAlliance loyalty platform for Ukrainian farmers

Software Engineer

BisonSoft | Feb 2020 - Jan 2022 | Belarus / Remote

- Migrated a content-rich university website from WordPress to Next.js with zero downtime: Dockerized both systems, fetched and parsed data from the existing MySQL database, authors kept the familiar WordPress UI
- Implemented new features, code refactoring and bug fixes for healthcare-sector projects oriented to the US market

Web Developer

RM Consultants (tourism marketing agency) | Mar 2015 - Dec 2019 | Moscow, On-site

- Web sites development and design documentation for promotion of high-end European tourist products (luxury hotels, restaurants, destinations, lifestyle brands) in Russia, Ukraine and CIS

Earlier career (2003–2015): Frontend Web Developer, Belita-Vitex-Mogilev (cosmetics manufacturing, Belarus-Italy); Web Software Developer, StrimTech (electronic components and mechatronic modules for BelAZ, MAZ, MZKT); Software Engineer, SPK Moscow (Perl, Joomla!); System Administration Specialist, BKK Kolomenskoe.

KEY PROJECTS

Me2eM — Unified Identity & Communication Layer

Founder & Lead Developer | May 2026 - Present | me2em.com

- Designed and shipped 4 npm packages (@me2em/core, /crypto, /react, /solana): identity primitives, E2EE channels, React bindings, Solana / x402 payments
- Cryptographic stack on peer-reviewed standards only: BIP39, Ed25519 (RFC 8032), X25519, HKDF, Argon2id, X3DH, AES-GCM; 4-domain ecosystem: me2em.com, we2em.com (IdP/SSO), w2em.com (messenger + wallet), t2em.com (agent-friendly E2EE vault)

EV Charging Management System — Platform Launch

Platform Engineer, first technical hire | Nov 2025 - May 2026

- Launched the platform on the customer's hybrid infrastructure (Docker Compose + managed VPS production); deployed and configured CitrineOS Core 1.6.0 (Node.js / Fastify / PostgreSQL / RabbitMQ / Hasura GraphQL) as the platform core
- Replaced Stripe with local payment gateways (bePaid, CloudPayments) — sanction-free stack; configured OCPP 1.6J WebSocket server for live charging stations; mentored a mobile developer

Local AI Setup & Chat-App — Local-First LLM Stack

Author / sole developer | Sep 2025 - Present | github.com/SeLub/chat-app

- Built a fully local AI stack on a single RTX 4060 Ti 16GB — no external APIs: 3-mode llama.cpp stack (Turbo ~70 TPS peak, 98k context; Workhorse; Heavy), adaptive context management, PROJECT mode, local STT (whisper.cpp + Silero VAD v5)
- Shipped Chat-App (MIT, public on GitHub): React 18 + Express 5 + SQLite + WebSocket web shell for local LLMs

E2EE Video Conference Recording — Client & Server Modules

Software Developer (NDA) | Apr 2025 - Nov 2025

- Client-side E2EE recording for group calls up to 4 participants: AES-GCM with RSA-OAEP/ECDH key wrapping, composition and encryption offloaded to a Dedicated Web Worker — no UI freezes
- Administrator access revocation (immediate loss of playback) and automatic restoration; verified the server never stores media in plaintext (zero-knowledge server, S3 scan)

EDUCATION

Engineer's degree, Postgraduate studies

Belarusian State Economic University | 1997 - 2000

Economic Cybernetics

Belarusian State Economic University | 1992 - 1997