

ILYA SHUPTA

TECH LEAD | SENIOR SOFTWARE ENGINEER

Amsterdam, Netherlands | funn17@gmail.com | linkedin.com/in/ilya-shupta-b9709a143 | siberian.ninja



ENGINEERING LEADER & BACKEND SOFTWARE ENGINEER

Tech Lead and backend-focused Senior Software Engineer with 14 years of experience across digital manufacturing, healthcare technology, real-time systems, and embedded software. Combines hands-on engineering with team leadership, production reliability, and cross-team integration delivery.

EXPERIENCE

Hubs / Protolabs Network | Tech Lead / Senior Software Engineer

Amsterdam, Netherlands | 2023 - Present

- Led a team of 7 engineers and coordinated delivery across 4 collaborating teams, setting technical direction while remaining hands-on in development and code review.
- Authored technical specifications and led the migration of legacy Python APIs to an event-driven architecture, defining shared, validated schemas for customer, order, and financial data across teams.
- Cut frontend page-load time by 60% by replacing repeated downloads of an ~8 MB static dataset with ETag-based conditional caching.
- Resolved 10+ production incidents and strengthened PostgreSQL reliability through safer migration procedures, query and index optimization, and data-discrepancy fixes, resulting in zero migration incidents over the following 12 months.
- Mentored junior engineers into independent feature owners through meaningful delegation, technical guidance, and actionable review feedback.
- Led 4+ cross-company integrations across Python and Rust services following Hubs' acquisition by Protolabs, supporting Protolabs Network's global production operations.

EARLIER EXPERIENCE

Bot MD | Lead Backend Software Engineer | First Engineering Hire

Singapore; Palo Alto, USA | 2017 - 2023

- Joined at the earliest product stage and built core Python services for a real-time medical assistant, including WebSocket chat, authentication, user media, and product integrations.
- Established engineering practices and mentored junior developers as the product and engineering team scaled through Series A.
- Delivered hospital products including cancer-treatment cost calculators; established Docker/GitLab CI delivery, worked with the founding team during Y Combinator Summer 2018, and later relocated to Singapore.

Independent / Upwork | Backend Python & Full-Stack Developer

Novosibirsk, Russia | 2014 - 2017

- Owned international projects end to end, including a real-time labor-market chat platform and an automotive-leasing web-scraping system.

Center of Navigation Technologies | C++ Software Developer

Novosibirsk, Russia | 2012 - 2014

- Developed embedded GPS-navigation software and maintained low-level components, including a custom implementation of parts of the C++ standard library.

EDUCATION & LANGUAGES

Siberian State University of Telecommunications and Information Sciences | Specialist degree, Software of Computers and Automated Systems, 2012

Languages: Russian (native), English (full professional proficiency), Dutch (basic)