

# Suleyman Musayev

## Senior Product Engineer · Backend that Ships

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· Remote · UTC+5

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### SUMMARY

Product engineer who ships fast and reliably. Track record of **5x latency improvements, +15% retention, and 4 major features in 12 months** as an early engineer on a 5-person team. Currently architect security-critical systems at SSL.com that need to balance speed, reliability, and user experience under pressure. Backend-first, Rails-fluent, comfortable owning the full path from idea to production. Open to senior product engineering roles where shipping impact matters more than process.

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### EXPERIENCE

#### Software Engineer · Midstay

Aug 2022 — Jan 2024

Remote · early engineer, 5-person team, ~1k DAU consumer product

- Reduced backend latency by up to **5x** through query optimization, indexing, and caching — significantly improving end-to-end product responsiveness.
- Improved user retention by **15%** through targeted performance work and product improvements informed by user behavior.
- Shipped **4 major user-facing features in 12 months**, supporting multiple product pivots with rapid iteration and tight feedback loops.
- Identified and resolved critical bottlenecks across the application stack; built features with strong focus on usability and load characteristics.
- Identified and mitigated critical security vulnerabilities; led incident response against advanced attackers.
- Final 5 months were a contract wind-down with gradual transition of responsibilities to the rest of the team while ramping up at SSL.com.

#### Software Engineer · SSL.com

Aug 2023 — Present

Remote · top-10 global PKI vendor · sole architect of auth & identity platform

- Sole architect and lead engineer of an authentication platform supporting tens of thousands of daily users; enabled **10x growth** in certificate issuance through architectural rework and pipeline automation.
- Built a fully automated certificate issuance pipeline and complex API endpoints — replacing manual processes with self-serve workflows that scale.
- Designed user-facing identity verification flows balancing strict security requirements with frictionless UX.
- Implemented OAuth 2.0, OIDC, SAML, and session-based authentication with cross-domain support and external IdP integrations.
- Designed fraud detection combining third-party services with custom analytics — cut SMS pumping fraud loss to zero while keeping legitimate user friction at a minimum.

#### Quantitative Trading Operations · Private Trading Firm

Mar 2020 — May 2021

Built and managed automated hedging strategies across brokers, markets, and instruments

- Reduced hedging costs by up to **35%** through strategy optimization and execution improvements.
- Managed a large leveraged portfolio with rigorous risk control and capital efficiency.

## SKILLS

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LANGUAGES	Ruby, JavaScript, Python, SQL, C, C++
FRAMEWORKS	Ruby on Rails (4–8), Sinatra, Stimulus, Hotwire, Turbo
FRONTEND	HTML5, CSS3, Tailwind, Stimulus controllers, Turbo Frames/Streams
DATA	PostgreSQL, Redis, Sidekiq, query optimization, indexing strategy
APIS & AUTH	REST, GraphQL, OAuth 2.0, OpenID Connect, SAML, JWT, SSO
PERFORMANCE	Profiling, N+1 elimination, caching strategies, background jobs, latency budgets
INFRASTRUCTURE	Docker, Linux, Nginx, AWS, GitHub Actions, CI/CD

## OPEN SOURCE

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**omniauth\_oidc** — [github.com/msuliy/omniauth\\_oidc](https://github.com/msuliy/omniauth_oidc)

OmniAuth strategy for OpenID Connect with first-class support for Microsoft Entra ID and Cloudflare Access.

**ip\_geo\_lookup, balloon\_hashing, yescrypt**

Ruby gems for IP geolocation, memory-hard password hashing (Balloon), and Yescrypt password hashing.

## LANGUAGES & CERTIFICATIONS

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**Languages:** English (Professional) · Russian (Native) · Turkmen (Native) · Turkish (Conversational)

**Certifications:** Bloomberg Market Concepts (BMC)