

# Sergei Naumov

## Senior Backend / Security Platform Engineer

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### SUMMARY

Senior Backend / Security Platform Engineer with 8+ years of backend and platform experience, focused on HashiCorp Vault-based secrets management, PKI/TLS automation, Kubernetes infrastructure, and Go services. Builds internal security platforms that standardize access, certificate lifecycle, and infrastructure workflows across large production environments.

### CORE SKILLS

**Security / Platform:** HashiCorp Vault, Secrets Management, PKI/TLS, Certificate Lifecycle Automation, ACME workflows, Access Control / IAM

**Vault / Kubernetes:** KV, PKI, Transit, Kubernetes auth, AppRole, LDAP, renewable token workflows, Puppet, Kubernetes, Docker

**Backend:** Go, microservices, REST APIs, distributed systems, CI/CD, RabbitMQ, Kafka, PostgreSQL, MySQL, Redis, PHP, Laravel, Symfony

### PROFESSIONAL EXPERIENCE

#### Avito — Senior Software Engineer, Security Platform / PKI

Apr 2023 - Present

*Company: major online classifieds / marketplace platform with complex backend, platform, Kubernetes, and security infrastructure.*

- Built and operated Vault-based secrets management and PKI capabilities for a large-scale production platform spanning thousands of services, DB-backed workloads, and multi-cluster Kubernetes infrastructure.
- Administered HashiCorp Vault KV, PKI, and Transit engines; managed Kubernetes auth, AppRole, LDAP-backed human access, and renewable token lifecycle workflows.
- Designed access provisioning for service, team, and personal secrets using ownership-based authorization and custom access-control integrations.
- Integrated Vault with Kubernetes, Puppet, and direct service clients to standardize secrets access patterns across heterogeneous production infrastructure.
- Built Go-based PKI/TLS automation around step-ca, ACME workflows, certificate lifecycle management, custom FQDN/SAN validation, migration tooling, and rollout support.
- Supported migration from manual/legacy certificate processes toward automated issuance and renewal, reducing operational risk from certificate lifecycle failures.

#### Garage Eight — Back End Developer

Jun 2022 - Apr 2023

*Company: international fintech company with distributed backend services, operational workflows, and data-driven customer communication systems.*

- Built and maintained Go microservices for production backend workflows, using RabbitMQ for distributed execution and asynchronous processing.
- Deployed and operated applications with Kubernetes and Docker, supporting service delivery, runtime reliability, and operational backend workflows.
- Worked across platform-adjacent backend systems and complex business-domain workflows, balancing infrastructure concerns with product delivery requirements.
- Automated translation workflows and integrated customer data platform flows, reducing manual coordination and supporting more targeted lifecycle communications.

#### Lamoda Group — Back End Developer

Nov 2020 - Jun 2022

*Company: fashion e-commerce and retail/logistics platform with large-scale catalog, fulfillment, and regulatory-compliance workflows.*

- Built backend automation systems for product marking and regulatory compliance workflows required by Russian regulation.
- Developed and maintained PHP-based microservices supporting business-critical retail and logistics operations.
- Decomposed deadline-sensitive projects into technical plans and presented implementation options to the engineering team.
- Maintained functional/unit test coverage around 95% for key backend workflows and helped interview/onboard backend engineers.

#### Badoo — Backend Infrastructure Developer

Jun 2020 - Oct 2020

*Company: global social/dating platform with high-scale backend, data, and infrastructure systems.*

- Worked on a platform team building infrastructure-facing backend components for distributed cloud infrastructure.
- Developed backend services and integrations using Go, PHP, MySQL, and Kafka, focusing on data flows, service integrations, and production reliability.

#### Berezka — Fullstack Developer, Part Time

Jul 2019 - Jun 2020

*Company/project context: payment and B2B loyalty services for business clients.*

- Built payment and B2B loyalty services using PHP/Yii2, MySQL, and jQuery.
- Planned the technical architecture and led implementation with a small two-developer team.

#### ZaKipish — Backend Developer

Jun 2019 - Jun 2020

*Company/project context: reactive SPA product with backend API and client-server synchronization workflows.*

- Developed Laravel REST APIs and made key backend architecture decisions for a reactive SPA product.
- Built open-source PHP and Laravel adapters for Logux-based client-server synchronization.

#### Level Up — Fullstack Developer

Oct 2017 - Jun 2019

*Company: software development company delivering web applications across multiple business domains.*

- Developed client web applications using PHP, Laravel, Symfony, MySQL, RabbitMQ, React.js, and Vue.js.
- Built backend and frontend features across multiple domains, establishing the application engineering foundation later expanded into platform work.

### PUBLIC WORK & OPEN SOURCE

- Interviewed by IT-World in May 2026 on TLS certificate lifecycle automation and certificate management as a security/reliability platform problem at scale; the article publicly discusses automation of roughly 2,000 TLS certificates.
- Open-source: [github.com/tweet9ra/logux-php](https://github.com/tweet9ra/logux-php) and [github.com/tweet9ra/logux-laravel](https://github.com/tweet9ra/logux-laravel).