

## EXPERIENCE

### Booking.com

Senior Software Engineer

April 2023 — Present

- **Technically led** the integration with Citi bank, overseeing collaboration across multiple business units and leveraged the team by delegating independent project pieces to developers.
- Directed the integration with PayPal and owned stakeholder management across multiple departments, resulting in **seamless €700M annual payments**.
- Enhanced the pipeline for collecting code quality metrics, developed a quality gate based on these metrics, and implemented it **across 22 services department-wide**.
- Improved the partner payment experience, resulting in an **annual TTV increase of €29.3M** and a reduction in cancellations worth **€30K annually**.

### Yandex

Senior Software Engineer

May 2021 — March 2023

- **Technically led** the payment system launch, supporting the transaction volume growth from **\$12K to \$2.4M annually**.
- Pioneered the design of an event-sourcing architecture for the payments, ensuring seamless scalability and **zero downtime**.
- Built **Know Your Customer (KYC)** processes from scratch, integrating with external services to guarantee secure and compliant user verification.
- Designed and developed a housing and communal services module, resulting in a **15% revenue increase**.
- Established gRPC-based API contracts, streamlining **cross-team communication** and ensuring consistency across the system.

### Haulmont

Technical Lead

February 2020 — May 2021

- Led a team of **5 developers** to successfully complete **2 projects**, ensuring timely delivery and alignment with project goals
- Decreased the **latency of hard processes by 40%** through the implementation of caching and optimization techniques
- Assembled highly complex reports logic based on the Cuba framework and YAML in a very short timeframe, addressing critical business requirements.

### Digital Design

Senior Software Engineer

June 2018 — August 2019

- **Technically led** a team of **3 developers** to successfully design and launch a document management system in a short timeframe.

### EPAM Systems

Software Engineer

June 2017 — June 2018

- Investigated and optimized opaque business logic for discounting in the POS system.

### Exactpro Systems

Software Engineer

October 2015 — May 2017

- Provided end-to-end and unit tests for entire project with **86% coverage**.

### Neoflex

Junior Software Engineer

July 2013 — February 2015

- Provided and supported Jira plugins and special reports for internal infrastructure system.

## SKILLS

|                      |   |
|----------------------|---|
| Languages            | Java, Kotlin, Scala, Perl, SQL  |
| Tools and frameworks | Apache Kafka, AWS, Cassandra, Concurrency, Elasticsearch, Grafana, gRPC, Hibernate, MySQL, Spring |

## EDUCATION

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|--|--------------------------|------|
| Postgraduate study in Mathematics and Computer Science,  | Saratov State University | 2020 |
| Master's degree in Mathematics and Computer Science,     | Saratov State University | 2016 |
| Specialist's degree in Mathematics and Computer Science, | Saratov State University | 2014 |

## MAIN PUBLICATIONS

- *Vasilev S.V.* An inverse spectral problem for Sturm-Liouville operators with singular potentials on arbitrary compact graphs, Tamkang Journal of Mathematics, 50(3), 2019.
- *Bondarenko N.P., Buterin S.A., Vasilev S.V.* An inverse spectral problem for Sturm-Liouville operators with frozen argument, Journal of Mathematical Analysis and Applications, 472(1), 2019,
- *Buterin, S. A. and Vasilev, S. V.* On uniqueness of recovering the convolution integro-differential operator from the spectrum of its non-smooth one-dimensional perturbation, Bound Value Problem, 55, 2018.