

Sergei Vasilev

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EXPERIENCE

10+ years in software engineering and technical leadership

BOOKING.COM | SENIOR SOFTWARE ENGINEER

April 2023 - Present

- **Technically led** Citi bank integration, coordinating cross business unit collaboration and delegating 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 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

EXACTPRO SYSTEMS | SOFTWARE ENGINEER

October 2015 - May 2017

NEOFLEX | JUNIOR SOFTWARE ENGINEER

July 2013 --- February 2015

SKILLS

PROGRAMMING

Java • SQL • Kotlin • Scala • Perl

TECHNOLOGY

AWS • Cassandra • Concurrency
Elasticsearch • Grafana • gRPC
Git • Hibernate • Kafka • JSP
JDBC • MySQL • Protobuf • Spring

EDUCATION

SARATOV STATE UNIVERSITY

2020 | Postgraduate education in
Mathematics and Computer Science
2016 | Master's in
Mathematics and Computer Science
2014 | Specialist degree in
Mathematics and Computer Science

MAIN PUBLICATIONS

- Vasiliev, S.V., *An inverse spectral problem for Sturm-Liouville operators with singular potentials on arbitrary compact graphs*, **Tamkang Journal of Mathematics**, 50, 2019.
- Bondarenko, N.P., Buterin, S.A., Vasiliev, S.V., *An inverse spectral problem for Sturm-Liouville operators with frozen argument*, **Journal of Mathematical Analysis and Applications**, 472, 2019.
- Buterin, S.A., Vasiliev, 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.

LINKS



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Telegram: @sergei_v_vasilev



Github: Sergei V.



Orcid: Sergei Vasilev



Leetcode: Sergei V.