Sergei Vasilev

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 managing the development process.
- Directed the integration with PayPal and managed stakeholder relationships across multiple departments, resulting in seamless regular payments with **an annual TTV €700M.**
- 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 with the new architecture vision, resulting in an **annual TTV increase from $12K to $2.4M**.
- Pioneered the design of an event-sourcing architecture for the payments, ensuring seamless scalability and **zero downtime**.
- Built **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 database communication by 40%** through the implementation of caching and optimization techniques.

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 an extremely short timeframe.

EPAM SYSTEMS | Software Engineer
June 2017 - June 2018
- Developed, improved, and seamlessly modified the POS systems in more than **20K stores across the country**, ensuring smooth functionality.

EXACTPRO SYSTEMS | Software Engineer
October 2015 - May 2017
- Created and implemented end-to-end and unit tests from scratch for the test automation service, achieving **86% coverage**.

NEOFLEX | Junior Software Engineer
July 2013 - February 2015

SKILLS

PROGRAMMING
Java • Kotlin • Scala • Perl • SQL

TECHNOLOGY
AWS • Cassandra • Concurrency Docker • Elasticsearch • Grafana • gRPC Git • Hibernate • Kafka • JSP • JDBC MongoD • 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

- Email: sergei.vl.vasilev@gmail.com
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- Telegram: @sergei_v_vasilev
- Github: Sergei V.
- Orcid: Sergei Vasilev
- Leetcode: Sergei V.