Roman Shishkin
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Education

- **Saint-Petersburg State University** — Saint-Petersburg, Russia
  Bachelor of Software Engineering — *Sept. 2020 - May 2024*
  - **Courses**: Software Development, Algorithms and Complexity, Introduction to Software Engineering, Algorithms and Data Structures, Operating Systems, Human-Computer Interaction, Computational Mathematics, Computer Workshop, Introduction to Programming

Experience

- **Outsource** — Saint-Petersburg, Russia
  Software Engineer — *Sep. 2022 - Current*
  - Developing RESTful APIs and microservices using Kotlin and SpringBoot, ensuring efficient communication between different parts of the application.
  - Utilizing Docker and Docker Compose to create isolated development environments, streamline deployment processes, and ensure consistent application behavior across different environments
  - Implementing database solutions and integrating them with the application using ORM tools.
  - Writing high-quality, maintainable, and testable code, following best practices.
  - **Technologies**: Kotlin (SpringBoot, JUnit, Mockito), SQL (MySQL, H2), Git, GitHub, Docker, Docker Compose
  - **Keywords**: RESTful-service, REST API, Testing, CI/CD, ORM

Projects

- **Grading system**
  https://github.com/Pupsen-Vupsen — *Dec. 2021 - Current*
  - In team built testing system which allows checking robotics tasks in a competition format
  - Held the regional stage of the Technology Olympiad in St. Petersburg on this platform
  - **Technologies**: Kotlin (SpringBoot, JUnit, Mockito), SQL (MySQL, H2), Git, GitHub, Docker, Docker Compose
  - **Keywords**: Robotics, TRIK Studio, RESTful-service, CI/CD
- **Graph analyzer**
  https://github.com/spbu-team-11/graph-analyzer-app — *May 2021*
  - In team built application which allows highlighting communities in graphs, finding vertices centrality and making layout of the graphs
  - **Technologies**: Kotlin (JUnit, TornadoFX), Git, GitHub
  - **Keywords**: Graph community detection, Layout graph
- **Mini Solidity Interpreter**
  https://github.com/5h15h4k1n9/MSI — *Dec. 2022 - Current*
  - Building application which allows interpreting subset of Solidity language and running it in interactive mode
  - **Technologies**: Haskell (HSpec, Parsec), Git, GitHub
  - **Keywords**: Interpreter, Parser, CI/CD

Courses

- **Algorithms: Theory and Practice. Data Structures**
  Computer Science Center — *Apr. 2021*
- **Algorithms: Theory and Practice. Methods**
  Computer Science Center — *Jun. 2021*

Programming Skills

- **Languages**: Kotlin (SpringBoot, JUnit, Mockito), Python (PyTest), Haskell (HSpec, Parsec)
- **Technologies**: Git, GitHub Actions, Docker, Docker Compose, SQL (MySQL, SQL Server)