



# VLADIMIR PERFILEV

STAFF ENGINEER, SOFTWARE ARCHITECT

## CONTACT

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Login: guest Password: very\_strong\_pass

### LOCATION:

Munich, Germany



## LANGUAGES

GERMAN: ★ ★ ★ ★ ★

ENGLISH: ★ ★ ★ ★ ★

RUSSIAN: ★ ★ ★ ★ ★

FRENCH: ★ ★ ★ ★ ★

CHINESE: ★ ★ ★ ★ ★

Experienced software engineer with strong management skills, proficient in backend development using Spring Boot (Java and Kotlin), frontend development using React (TypeScript), and mobile app development using React Native. Previous experience includes active involvement in scientific research, specializing in the integration of artificial intelligence methods in psychiatric diagnostic systems. Seeking a challenging lead position to apply my skill set and contribute to innovative software projects.

## WORK EXPERIENCE

### Chief Technical Officer / Tech Lead

August 2021 - Present

Ripe Capital - DE, United States

FinTech

- Designed and architected a creator-focused financing and marketing platform using Domain-Driven Design (DDD) principles.
- Managed and supported a team of 8 developers using Agile/Scrum methodologies. Organized their collaboration with data scientists.
- Contributed to recruitment and interviewing efforts to help build the technical team.
- Took responsibility for the company's infrastructure, including both AWS and private servers, as well as establishing CI/CD pipelines using GitLab and Helm.
- Played an active role in promoting the Ripe Capital's products by delivering presentations to investors and accelerators.

**Tech stack:** AWS, Grafana, Kibana, Elasticsearch, Logstash, Gitlab CI, Helm, Docker, Kubernetes, Linux, TypeScript, Gatsby, Python.

### Senior Software Developer

April 2019 - Present

sidion GmbH - Germany

IT-Consulting

### Project / Customer: b-connected, Binder+Co AG, Austria

- Took a lead role in developing the user experience using React, and actively contributed to the development of microservices on Spring Boot.
- Played a significant role in the architecture overview of the project.
- Led code reviews and took responsibility for ensuring the code quality, including the adoption of Test-Driven Development (TDD) practices.
- Provided coaching and onboarding support for team members.

**Tech stack:** Java, TypeScript, Spring Boot, React, PostgreSQL, TimescaleDB, Keycloak, Docker, Kubernetes, Gitlab CI, Helm, AWS, Linux.

## SKILLS

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### KEY TECH SKILLS:

Java, Kotlin, TypeScript, Spring Boot, React, React Native

### METHODOLOGIES:

Agile, Scrum, Kanban, Lean, DevOps, CI/CD, DDD, TDD

### PERSONAL SKILLS:

Teamwork, Responsibility, Strategic Thinking, Organization, Decision-Making

## EDUCATION

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2011 - 2017

### PhD Degree in Computer Science

Tambov State Technical University

**Thesis:** Analytical and procedural models for intelligent system of social danger risk assessment for forensic psychiatry

2006 - 2011

### MSc. Degree in Computer Science

Tambov State Technical University

## CERTIFICATES

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**AWS Certified Solutions Architect Associate** (2023)

**Google Cloud Certified Associate Cloud Engineer** (2023)

**Deep Learning Specialization by Stanford** (2023)

**Algorithms Specialization by Stanford** (2023)

**Green Belt of the Lean Six Sigma methodology** (2015)

### Project / Customer: DGNB e.V., Germany

- ▶ Developed backend and frontend solutions tailored to meet customer needs.
- ▶ Assumed ownership of specific topics, acting as a mentor and providing guidance and support to clients in those areas.
- ▶ Implemented automated tests to ensure the quality of the software.
- ▶ Facilitated the onboarding and mentoring of junior developers in the development team.

**Tech stack:** Java, TypeScript, Spring Boot, Angular, MySQL, Jenkins, Keycloak, Docker, Azure, Linux.

### Project / Customer: Second IT GmbH, Germany

- ▶ Developed the backend and frontend components of the software system, ensuring integration and functionality, utilizing technologies such as Spring Boot, Spring Security, and React.
- ▶ Provided process consulting and expertise in API management.
- ▶ Implemented integration with an online shop platform.
- ▶ Conducted thorough testing to ensure the quality and reliability of the software system.

**Tech stack:** Java, TypeScript, Spring Boot, React, MySQL, Jenkins, Docker, Azure, Linux.

### Project / Customer: T-Systems International GmbH, Germany

- ▶ Contributed to the development of a customized B2B sales platform for a premium car manufacturer, utilizing technologies such as Spring Boot and Angular
- ▶ Collaborated with the team to establish an efficient CI/CD pipeline with Jenkins, enabling automated build, testing, and deployment processes
- ▶ Followed best practices and leveraged frameworks to maintain code quality, scalability, and performance throughout the project lifecycle.

**Tech stack:** Java, JavaScript, Spring Boot, Angular, MySQL, Jenkins, Docker, Linux.

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### Software Developer, Project Engineer

*Promotive GmbH - Germany*

**Oktober 2018 - April 2019**

*Automotive*

- ▶ Developed applications to support critical vehicle-related protocols, such as ISO TP, UDS, and FMS, ensuring the reliability and accuracy of data exchange between vehicles and their associated systems.
- ▶ Created test tools to validate the performance and functionality of our existing environment, ensuring that we met the necessary standards and requirements for the automotive industry.

**Tech stack:** Java, JavaScript, Spring Boot, Angular, MySQL, Linux, ProveTech.

**Software Developer****February 2018 - Oktober 2018***TN Group - Russia*

- Designed the microservice architecture of a satellite monitoring system for commercial vehicles.
- Led the development of some microservices for the system, e.g., computational and analytical module, GPS tracking unit's message handling module, configuration and control module.
- Conducted interviews for new developers and facilitated their integration into the team.

**Tech stack:** Java, Spring Boot, Oracle DB 11g XE, Apache Cassandra, Apache Kafka, Linux.**Software Developer, Business Owner****July 2016 - January 2018***Kovkasnab - Russia*

- Developed a store website from scratch and managing its maintenance and updates. This included implementing search engine optimization (SEO) strategies to drive traffic to the website, resulting in increased online sales.
- Promoted the website on Google.com and Yandex.ru to move it to the top of the search results.
- Managed an enterprise in metal products retail (B2C) with a sales ratio of 60/40 (online / offline).
- Organized inventory and supply chain to ensure consistent product availability for customers.

**Tech stack:** PHP, Java, Yii2, Spring Framework, JavaScript, MySQL, Linux.**Project Manager, Innovation Manager****April 2013 - July 2016***Sberbank - Russia*

- Developed and maintained an internal corporate portal that streamlined communication and increased efficiency among employees.
- Supervised the implementation of an electronic document management platform that reduced paper-based processes and increased security and compliance.
- Implemented projects to optimize routes in cash collection and transport units, resulting in significant cost savings for the bank.

**Tech stack:** VBA, C#, ASP.NET MVC 5, JavaScript, jQuery, Windows.**Software Developer, System Administrator****January 2010 - July 2011***Promexport-S LLC - Russia*

- Developed and administered company's website.
- Organized and maintained the network, computers, and office equipment.

**Tech stack:** PHP, JavaScript, WordPress, jQuery, Bootstrap, MySQL, Windows.**Software Developer****December 2009 - January 2011***Freelance - Russia*

- Migrated large forum dedicated to electronic trading platforms from phpBB to Invision Power Board engine.
- Developed websites for small and medium-sized businesses.

**Tech stack:** PHP, JavaScript, Joomla, jQuery, Bootstrap, MySQL, Windows.

## SIGNIFICANT PET-PROJECT

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### Fatodo App

February 2020 - February 2023

Fatodo is a free web, iOS and Android application that allows people to organize tasks and collaborate on them with their friends and teams. I developed and managed it from inception to completion, aiming to gain end-to-end experience in software development.

- The backend is comprised of 15 cloud-native microservices and was developed using Java and Kotlin. The newest microservices were precompiled with GraalVM, making them faster and more efficient. The system is a polyglot system, with services using one of two databases: MySQL or MongoDB, depending on their needs.
- Communication between the services is facilitated through Kafka and HTTP.
- The web frontend was developed using TypeScript, React, and Redux. The app uses websocket connections to synchronize its state.
- The mobile applications were built with React Native, with some portions of the web app code being reused.
- For development and deployment, I used GCP, my private Kubernetes clusters, along with self-hosted tools such as GitLab, SonarQube, Kibana, Grafana, and Nexus.

**Web client:** <https://fatodo.app>

**Android:** <https://play.google.com/store/apps/details?id=app.fatodo>

**iOS:** <https://apps.apple.com/app/fatodo/id1663058112>

## REMOTE WORK

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Preferred to work remotely, open to occasional business travel.

## INTERESTS

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- Passionate about being a real full-stack. I thoroughly enjoy working on all aspects of web development, from the frontend to the backend, from the mobile app development to the DevOps, and everything in between. Being a full-stack developer allows me to have an understanding of the entire development process.
- While working on my PhD thesis, I had the opportunity to explore different approaches to artificial intelligence. The advancements and developments in this field have piqued my curiosity, leading me to delve into AI literature and experiment with various techniques.
- Beyond the realm of IT, I have a keen interest in learning languages. Language learning not only trains the mind but also provides a unique perspective into different cultures. Tackling the Chinese language has proven to be the most challenging yet rewarding experience. I aspire to live in an English- or Chinese-speaking country someday.
- One of my greatest joys in life is spending quality time with my wife and daughter.

Thank you for making it through this list ;-)