



# Sergei Mikhailov

## Engineering Manager / Staff Engineer

### About me

Hands-on Engineering Manager and Experienced Software Engineer who is mostly interested in distributed systems. Currently working tightly with PHP-based event-driven cloud-native applications. I have designed and brought to life scalable and reusable enterprise solutions communicating the implementation steps throughout multiple teams. Besides document databases I had experience with wide-column stores such as Cassandra and Bigtable. Apart from PHP, I can write decent code in JavaScript including back-end for Node.js. Having experience in cloud system management, I'm able to perform administrations of the various servers.

I have leadership experience being an engineering manager of a feature team. As a component architect I'm also responsible for solution definitions to the business needs.

I had a deep-dive experience in the business side of the IT products, working with the customers in a business analyst position to collect their requirements and transforming general ideas into actionable items for the engineering teams.

**Specialization:** Designing project implementation plans and UI mock ups, implementing n-tier, microservices and REST based systems, following SOLID principles and GRASP, application performance profiling and optimization.

**Tools:** Kubernetes, Grafana Tanka, Docker, Symfony / Slim PHP frameworks, Doctrine, PHP DI, PHPUnit, FFmpeg, GCP GKE / Cloud Storage, BigQuery, AWS S3 / CloudFront / Route53, Blackfire, Git, Bamboo / Travis CI, Jira, Confluence, Balsamiq, PlantUML, QTI SDK.

**Technologies:** QTI, LTI, IMS Interoperability Standards

**Methodologies:** Agile (Scrum / Kanban), BDD, TDD, CI, Prototyping (Incremental development).

### Experiences

Open Assessment Technologies  
Capellen, LU  
Feb 2022 - present  
Engineering Manager

- Coordinating engineering activities within and among the teams
- Planning and supervising engineering projects
- Monitoring and boosting the team's performance
- Facilitating onboarding sessions and mentoring new joiners

Jan 2022 - Feb 2022  
Staff Engineer

- Designing assessments' results reporting mechanism integrating the second-generation test-runner engine to the product
- Coordinating cross-team engineering project developments
- Defining release candidate stabilization procedure
- Conducting technical interview sessions

Jul 2021 - Jan 2022

## Senior Software Engineer

- Building cloud-native applications
- Conducting demo sessions with the customers
- Establishing Scrum values and principles within the team

Oct 2020 – Jul 2021

### Business Analyst

- Collecting customers' requirements, transforming them into actionable items for multiple engineering teams
- Providing acceptance tests on User Stories
- Conducting demo / feedback sessions with the customers
- Establishing Scrum values and principles among the teams

Feb 2020 – Oct 2020

### Back-End Developer

- An open-source IMS-certified e-testing platform provider
- Designing and implementing an integration solution with a 3rd-party rostering and curriculum-providing systems
- Supporting multiple customers' assessment platforms

## Docler Holding

Luxembourg, LU

May 2016 – Feb 2020

### PHP Developer

- A multinational enterprise counting 1000+ employees worldwide
- Supporting mobile website backend developments
- Working on public and internal REST and JSON-RPC service API
- Implementing a solution for media-content exchange messenger-like platform
- Implementing a mobile device live video feed receiving capabilities determination library
- Designing and implementing a firewall service for the flagman product website
- Designing, implementing and maintaining a robust promotional offer tool, allowing to target certain audience segments with special offers.
- Designing and developing a solution for rapid member profile images regeneration based on live video feed
- Conducting workshops on development related topics
- Interviewing prospective company employees

## Wikimart

Moscow, RU

Mar 2014 – May 2016

### Lead Developer

- One of the largest online marketplaces in Russia at that date
- Started as a Junior Developer and promoted after a year and a half to the Team Leading position
- Participating in design and implementation of logistics service used by the marketplace
- Responsible for hiring new software engineers
- Creating development guidelines followed across the Team
- Conducting onboarding sessions and mentoring new developers

## RC Bresler

Cheboksary, RU

Aug 2012 – Feb 2014

### Software Developer

- Leading protective relay solutions provider in the region
- Designing and implementing web services for internal usage
- Administrating development server

## Education

- 2013

### **M.S. Computer Science**

Graduated with honors from Chuvash State University.

- 2015

## **B.S. Language studies (English)**

Graduated from Chuvash State University.

## **Contact**

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Linkedin

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GitHub

[github.com/wazelin](https://github.com/wazelin)

Stack Overflow

[stackoverflow.com/users/2119450/wazelin](https://stackoverflow.com/users/2119450/wazelin)

## **Skills**

PHP

JavaScript

Node.js

C#

## **Certifications**



## **Languages**

Russian

English

Luxembourgish

## **Hobbies**

Car Journeys

Cooking

Anime