

# Dmitry Bolgov

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## Senior Backend Engineer

Experienced Senior Software Engineer/Tech Lead with over 15 years in web development. My diverse portfolio includes working in sectors such as E-commerce, Digital Services, and Media.

With over 7 years of expertise in building microservices, I have implemented a lot of fast, stable and easy-to-maintain applications. My hands-on experience spans service optimization, firefighting, mentoring engineers, developing frameworks and tooling to enhance engineers' performance as well as conducting technical interviews.

Passionate about teamwork and innovation, I compliment my professional pursuits with writing a technical blog, reflecting my continuous quest for knowledge and growth.

### TECH STACK

- **Back End :** Golang, PHP, Node.js
- **Front End:** Javascript (React.js, Angular.js, contributed to 1.3.0), CSS
- **Data Storage:** DynamoDB, MySQL, PostgreSQL, MS SQL Server, S3
- **Pub/Sub:** AWS SNS/SQS, Kafka
- **Containers:** Docker, Kubernetes, Nomad
- **Monitoring:** DataDog, Grafana+Prometheus, NewRelic, zabbix, cacti

### WORK EXPERIENCE

#### Senior Golang Developer / Backend Chapter Lead

Oct 2019 - Oct 2023 (4y)

Delivery Hero, Berlin, Germany

*A platform for food delivery companies worldwide.*

Key achievements:

- Implemented two frameworks (grpc+http for APIs and SQS for pub/sub), reducing time-to-prod from 1 week to 1 day and benefiting 100+ services.
- Led the successful migration of services from PHP+MySQL to Go+DynamoDB/MySQL with zero downtime, resulting in more than a 2x reduction in latency and improved system stability.
- Mentored over 10 developers, helping them successfully grow in the company.

Responsibilities:

- Split monoliths to microservices.
- Actively contribute to architectural decision-making and issue resolution.
- Proactively optimise performance and conduct firefighting activities.
- Leading cross-team technical initiatives, knowledge-sharing sessions and meetings.

Technologies:

Golang, AWS SQS, DynamoDB, MySQL, Datadog, Docker, Kubernetes.

### **Engineering Manager, Golang**

**Nov 2018 - Oct 2019 (1y)**

Ozon.ru, Moscow, Russia

*One of the largest marketplaces in Russia.*

Key achievements:

- Improved Chat Service performance from 17 to 1100 RPS using the same hardware.
- Led development of a reliable internal common file storage used by other teams.
- Established CI/CD, QA automation, and load testing processes as routine practices for enhanced development and delivery efficiency.

Responsibilities:

- Hire software engineers.
- Conduct code reviews and fine-tune service performance to maintain optimal system functionality.
- Collaborate with stakeholders to discuss functional requirements, ensuring alignment with business objectives.
- Prioritise features and manage deadlines to facilitate timely and efficient project delivery.

Technologies:

Golang, PostgreSQL, Kafka, CEPH, Prometheus, Grafana, Kubernetes, Docker.

### **Engineering Manager, Frontend**

**May 2018 - Nov 2018 (.5y)**

Yandex, Moscow, Russia

*Yandex.Realty by Yandex, the largest IT company in Russia.*

Key achievements:

- Established a front-end team in Moscow from the ground up, bridging a geographical gap and enhancing project capabilities.
- Conducted dozens of technical interviews, contributing to the selection of a skilled and effective team.

Responsibilities:

- Cover the hiring and onboarding processes for the newly formed front-end team, ensuring a smooth integration into project workflows.
- Facilitate effective communication between the Realty project teams and other departments, improving collaboration.
- Establish quarter planning and play a key role in managing OKRs, aligning team efforts with strategic goals.

Technologies:

React.js, Node.js, jest, BEM, postCSS, webpack, Docker, Nomad.

### **Senior Golang Developer**

**Jul 2016 - May 2018 (2y)**

Lazada RUS, Moscow, Russia

*Large marketplace in South-East Asia.*

Key achievements:

- Successfully migrated API Gateway PHP application to Golang.
- Improved performance of the service by 300%, to 15000 RPS.

Responsibilities:

- Implement new features, contributing to the ongoing development and enhancement of the system.
- Participate in firefighting activities.
- Conduct technical interviews.

Technologies:

Go, Docker, Kubernetes.

### **Engineering Manager, Frontend**

**Jun 2015 - Jul 2016 (1y)**

Lazada RUS, Moscow, Russia

*Large marketplace in South-East Asia.*

Key achievements:

- Hired and onboarded a new team, contributing to the growth and capability of the organisation.
- Successfully managed a team of 6 engineers, setting a collaborative and productive work environment.

Responsibilities:

- Lead the development of the website for mobile devices, ensuring a seamless user experience.
- Collaborate with other departments, actively participate in planning, deadlines control, and firefight to address challenges effectively.
- Take charge of evolving the architecture and optimising the performance of the site.

Technologies:

Javascript, React.js, jQuery, CSS, less, webpack, PHP, Jira, gulp, webpack.

### **Frontend Architect**

**May 2014 - Jun 2015 (1y)**

Sputnik, Moscow, Russia

*Online maps for a search portal.*

Key achievements:

- Designed and implemented the front-end part of maps site from scratch.
- Created Javascript API for building and embedding maps into third-party sites.

Responsibilities:

- Manage a team of 2 developers: planning, priority management.
- Conduct interviews for applicants, contributing to the selection of qualified and skilled individuals to enhance the team.

Technologies:

Angular.js, Leaflet.js, Node.js, gulp, SCSS, Foundation.

## **Senior Frontend Developer**

**Dec 2012 - May 2014**

Mamba, Moscow, Russia

*The largest dating service in Russia.*

Key achievements:

- Created the mobile site from scratch, reducing load time by two times and reducing traffic by 4 times.
- Automated the frontend build process (CI/CD) and implemented unit testing for frontend applications, contributing to the efficiency and reliability of the development lifecycle.

Responsibilities:

- Implement new features, contributing to the ongoing development and enhancement of the mobile site.
- Optimise performance to ensure optimal functionality and user experience.

Technologies:

AngularJS, Node.js, jQuery, gulp, Grunt, CSS, less.

## **Backend Developer**

**May 2012 - Dec 2012**

Mamba.Billing, Moscow, Russia

*The largest dating service in Russia.*

Key achievements:

- Established a metrics platform and integrated major metrics, significantly improving transparency and visibility for effective firefighting.
- Successfully implemented new payment methods, enhancing the functionality of the system.

Responsibilities:

- Conduct system refactoring to improve overall efficiency, maintainability and testability.
- Implement new features, contributing to the continuous development and enhancement of the system.

Technologies:

PHP, MySQL, RabbitMQ, LevelDB, Memcached.

## **Fullstack Developer**

**May 2011 - May 2012**

Undev, Moscow, Russia

*Online radio aggregator Moskva.fm.*

Key achievements:

- Rewrote the web part by consolidating three different frameworks into one, utilising jQuery with custom jQuery-UI widgets, streamlining the codebase for improved maintainability.
- Successfully migrated the project from SVN to Git, resulting in a substantial increase in developers' productivity.

Responsibilities:

- Conduct server-side optimizations and refactorings to enhance overall system performance and code efficiency.
- Implement Flash-to-JS integrations, ensuring smooth transitions and improved user experiences.
- Engage in deep refactoring initiatives to maintain a robust and scalable codebase.

Technologies:

PHP, MS SQL Server, Javascript, jQuery, jQuery-UI, underscore.js, prototype.js, mootools.

### **Full Stack Developer**

**Nov 2009 - May 2011**

Megaplan, Moscow, Russia

*SaaS, Project Management System (CRM, task manager, private planner, and more).*

Key achievements:

- Implemented the full-text search feature across all clients, significantly increasing user experience.

Responsibilities:

- Develop product features to contribute to the continuous improvement and evolution of the system.
- Brainstorm architecture decisions, providing valuable insights for technical planning.
- Serve as a SCRUM master, facilitating effective collaboration and project management within the team.

Technologies:

PHP, PostgreSQL, Memcached, Javascript, jQuery, Python.

### **Full Stack Developer**

**May 2007 - Oct 2009**

FC-Pro, Moscow, Russia

*A social database, Moikompass.ru.*

Key achievements:

- Developed a WYSIWYG editor from scratch for browsers IE5.5+, enhancing content creation capabilities.
- Created an analytics platform, providing valuable insights for informed decision-making.

Responsibilities:

- Develop product features and optimise system performance to contribute to the overall improvement of the platform.

- Manage a team of 3 developers, improving collaboration and productivity within the engineering team.

Technologies:

PHP, MySQL, Apache, nginx, Memcached, CouchDB, Javascript, jQuery, SVN.

### **Full Stack Developer**

**Apr 2005 - Aug 2007**

Comavto, Moscow, Russia

*A car seller portal.*

Key achievements:

- Designed and implemented site crawlers, enhancing the platform's ability to gather and process data efficiently.

Responsibilities:

- Implement features according to specifications, ensuring alignment with project goals and functional requirements.

Technologies:

PHP, MySQL, HTML, Javascript.

## EDUCATION

### **Engineer (Master Degree)**

**1999 – 2005**

Moscow Engineering Physics Institute (State University), Moscow, Russia

*Nuclear Physics.*

### **Post Graduate**

**2005 - 2008**

UC JINR (Joint Institute of Nuclear Research), Dubna, Russia

*Nuclear Physics.*

## PUBLICATIONS & AWARDS

### **Experiment on finding rear fission types in reaction of $8U+4He$ (40 mev)**

**2007**

Science session in MEPHI-2007, Moscow, Russia

*Nuclear Physics.*

### **Introductory results of first experiment at miniFobos device**

**2006**

Science session in MEPHI-2006, Moscow, Russia

*Nuclear Physics.*

## PROFILES

Personal Website: <https://bullgare.com>

Blog: <https://blog.bullgare.com>

LinkedIn: <https://linkedin.com/in/dmitry-bolgov-50610642/>

Twitter: <https://twitter.com/bullgare>

Github: <https://github.com/bullgare> (most of my projects are in private bitbucket and gitlab)

StackOverflow: <https://stackoverflow.com/users/801426/bullgare>