TOOLS

Golang: concurrency, tests, benchmarks, pprof, race detector

PHP: Laravel, Slim, PHPUnit, Xdebug, profiling, Composer

JavaScript/TypeScript: Vue, Pinia, Vue Router

Containers: Docker, Kubernetes

Database: PostgreSQL, MySQL, Redis, MongoDB, Clickhouse

Observability: Grafana, Jaeger, ELK stack

Clouds: AWS (Lambdas, SNS, SQS, etc.)

Principles: TDD, DDD, Clean Architecture, SOLID, DRY, KISS, etc.

SKILLS

Versatility

Work well alone or in teams, quickly learn from materials or colleagues as needed.

Teamwork

Written software as part of many distributed and remote teams.

Effective Communicator

Proactive in meetings, ensuring team understanding for faster, more reliable outcomes.

PASSIONS

Complex systems / problem solving / infrastructure / bioinformatic pipelines / data processing / freshwater ecosystems

LANGUAGES

Russian · · · · · · Native
English · · · · · · Proficient

CERTIFICATIONS

IELTS UKVI General Training, 7.5 overall band

British Council

ARTEM FROLOV

Senior Software Engineer

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github.com/dissipative

SUMMARY

Software engineer with over 8 years of experience in software development, with a focus on high-performance backend solutions.

EXPERIENCE

➢ **Qase** (San Francisco, USA) • Nov 2023 – Present • Remote

Designing microservices for the distributed calculation of analytics data and test run results collection.

- Integrated observability via OpenTracing and Elastic APM for microservices; improved log detailing and monitoring.

➢ **Avito** (Moscow, RU → Yerevan, AM) • Sep 2019 – Sep 2023 • Remote

Participated in the Core Services *Infomodel* project, a complex system for managing classified ads' metadata, such as categories and interrelated properties. Our peak load daily is about 450K RPM, and we store nearly 660 GB of specifications in RAM for fast access.

- Migrated hundreds of gigabytes of JSON specifications data to Ceph storage in production without downtime, resulting in significant cost savings.
- Refactored a high-load service that was a bottleneck for the whole system and decreased memory consumption by 80% (from 30 GB to 5 GB per pod).
- Designed and built a new RPC API for the main metadata service.
- Led the transition to a new categories tree that reduced complexity of creating attributes for verticals and significantly decreased TTM.

➢ **MTS Bank** (Moscow, RU) • Feb 2018 – Sep 2019

Headed the Risks team and implemented scoring solutions in the bank's microservices platform. Designed and released microservices for the processing of personal data.

- Developed a microservice for ML recognition of passport images, involving the design of data transmission processes across multiple services including image input, recognition, storage, and information processing.

➢ **Mozaika Syntez Publishing House** (Moscow, RU) • Feb 2017 – Feb 2018

Developed and maintained a new online bookstore, as well as the primary website.

- Led the transition to a modern front-end technology stack (from jQuery noodle code to a Vue progressive app) and enhanced back-end fault tolerance through the setup of MariaDB replication.

➢ **DigitalWand** (Moscow, RU) • May 2015 – Feb 2017 • Remote

Participated in a variety of projects at an outsourced digital production agency.

- Contributed to the development of advertising campaigns and online storefronts, gaining proficiency in software engineering and architecture methodologies.

EDUCATION

Master's degree, Ecology   09/2006 - 06/2011
Northern (Arctic) Federal University named after M. V. Lomonosov
Arkhangelsk, Arkhangelsk region