

## Dmitry Pershin

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Software engineer with more than six years of experience working on projects from different fields like cybersecurity, cloud computing, distributed systems, fintech; looking to become a part of an experienced developer team to work on innovative software and services.

## Education

Ural State Technical University, **M.S.in computer science**, faculty of radio engineering, GPA: 3.88, **summa cum laude**

## Experience

**Software Engineer at Tochka Bank** / 05.2019 – present

skills: python rust sql rabbitmq postgresql kubernetes redis

- Designed, developed and launched the quick payments service. It had been implemented from scratch and handled hundreds of thousands of payments a day. **The service became profitable in one year after the launch.** The quick payments service is a financial infrastructure that allows customers to make payments without cash or plastic cards using a QR-code (merchant side) and a mobile phone app (customer side) in near-real-time.
- Fully designed, implemented and configured CI/CD process including unit and integration testing, code analysis, application build and deployment which **increased code quality, lowered bugs quantity and reduced delay from commit to deployment** to several minutes.

**Software Engineer at Yandex** / 11.2018 – 05.2019

skills: python mongodb distributed systems

- Took part in development of a highly-performant and highly-available task scheduling SAAS platform that provided optimal company cluster resources utilization which **reduced the cluster maintenance expenses.** The service was able to store and process several terabytes of user data in multiple data centers.
- Took part in development and improvement of service API and SDK providing an ability to describe complex execution pipelines on several thousand of servers in multiple data centers. As a result the **service was able to provide availability 99.99%.**

**Software Engineer at USSC Ltd.** / 08.2016 – 11.2018

skills: python c++ networking elasticsearch

- Took part in development of software for industrial networks cybersecurity analysis, malware attacks prevention and network traffic inspection. **The product was able to detect cyberattacks on enterprise networks** and helped in incident investigation at critical facilities.
- Rewritten some security modules from multi-threaded to asynchronous execution model which **increased software performance by more than 50%** and made it possible to monitor much more production facilities without hardware update.
- Developed a module that used SCAP (security content automation protocol) standard to analyze OS integrity and protection using open world-wide vulnerability database which **let the system to detect 0-day vulnerabilities as soon as possible.**

## Skills

Languages	Databases	Frameworks/Libs	Dev tools	Other	
Rust	PostgreSQL	tokio	Git	Linux	Distributed Systems
Python	MongoDB	asyncio	Docker	Kubernetes	Machine Learning Basics
C/C++	Redis	aihttp		RabbitMQ	Networking
	Elasticsearch	flask		Kafka	CI/CD
		scikit-learn		SQL	
				BASH	