

Maxim Kropotov

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Software developer who's passionate about building a product for real users.
Technical interests: highly available distributed systems, source code analysis, developer tooling.

Languages: Shipped production code in C#, Java, Kotlin, TypeScript, JavaScript. Minor or academic experience with F#, Ruby, Golang, C++, Scala.

Databases / Data Stores: MySQL, MS SQL, Kafka, PostgreSQL, Elasticsearch, MongoDB, Cassandra, Redis.

Methodologies / Practices: pair programming, code review, TDD, continuous integration, microservice architecture.

Work Experience

oct. 2019 –
present

Software Engineer: Bolt, Tallinn (Estonia)

Rides team: Building core services for ridehailing (search, dispatching, order management).

Promoted: **Senior** (Sep. 2021, 2 months after joining new team), **Staff Software Engineer** (Jan. 2023).

Led cross-functional projects to deliver features: writing tech specs, ensuring clear communication, leading development, managing feature rollout.

Led effort across 2 teams to successfully handle 2022 New Year's Eve peak peak load (10x+ regular peak).

Part of team responsible for 80+ microservices.

Campaigns team: Worked on tools for internal users to manage in-app campaigns across all business verticals (ridehailing, rentals, delivery).

Started a project to convert a business-critical process from a batch job to MQ. Increased throughput (initially: 2x, later: 4x).

nov. 2016 –
oct. 2019

Software Engineer: JetBrains, St.Petersburg (Russia)

Worked on code analysis for JS and TS in WebStorm and IntelliJ IDEA-based IDEs: support for refactoring code from the IDE, support for new language features, type resolution, etc.

Implemented refactorings for React components.

Contributed to a 3rd-party plugin to support styled-components framework in IntelliJ IDEs.

june 2013 –
july 2016

Software Engineer: Kontur, Ekaterinburg (Russia)

Kontur.Elba — a friendly web service to manage accounting for small businesses.

"Startup within a large company" environment: building product features, managing releases, solving user issues with tech support team, maintaining production and staging environments.

Initiated and implemented several features related to application health monitoring: storing logs in Elasticsearch, JavaScript error reporting, contributed to a Logstash plugin in Ruby.

Improved performance of a service responsible for reference data: reduced startup time by using emitted IL code.

Kontur.Diadoc — a web service for exchange of legally binding electronic documents for large corporations.

Month-long internship with the goal of sharing experience with a different team. Reduced response time of a service by a factor of 4. Gained experience working with Apache Cassandra.

summer 2012

Software Developer Intern, SKB Kontur, Ekaterinburg

Summer internship with Kontur.Extern team. Implemented an Asp.Net MVC web app for monitoring servers of Kanso distributed file system.

Education

2008 – 2013

BS, Mathematics and Computer Science, Ural Federal University, Ekaterinburg